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VO-AG AIDS

Volume 15, Number 1

August 1956

Issued jointly by

Vocational Agriculture Service, College of Agriculture

and

Agricultural Education Division, College of Education

University of Illinois

in Cooperation with

Illinois State Board of Vocational Education

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POLICY OF THE VO-AG AIDS

The purpose of the AIDS is to give teachers information that we think might be helpful to them. The AIDS does not carry personal news items or indoctrinating articles of any kind. Both may have a place in the vocational agriculture program, but we do not consider that the AIDS is the medium through which to reach teachers with such articles. It is our aim to limit the information to facts rather than opinions. For that reason we refrain from drawing conclusions to the effect that certain items "should be of interest to all vocational agriculture teachers," etc.

The fact that an item is included in the AIDS does not necessarily mean that it is endorsed by Vocational Agriculture Service or Agricultural Education or both. It simply means that we think enough teachers might be interested in knowing about it to justify including the information.

Special Notice
to All Illinois Teachers of Vocational Agriculture

We should appreciate it if each of you would check your name and address on this issue of the AIDS and notify us if there is an error. It is difficult to keep our mailing list correct and up to date without your help. Obviously errors will remain uncorrected unless they are called to our attention. M.H.

Slidefilm Containers. These containers are the same as those in which Vocational Agriculture Service slidefilms are distributed. If you need extras, we can supply them at 3 cents each, f.o.b. Urbana.* M.H.

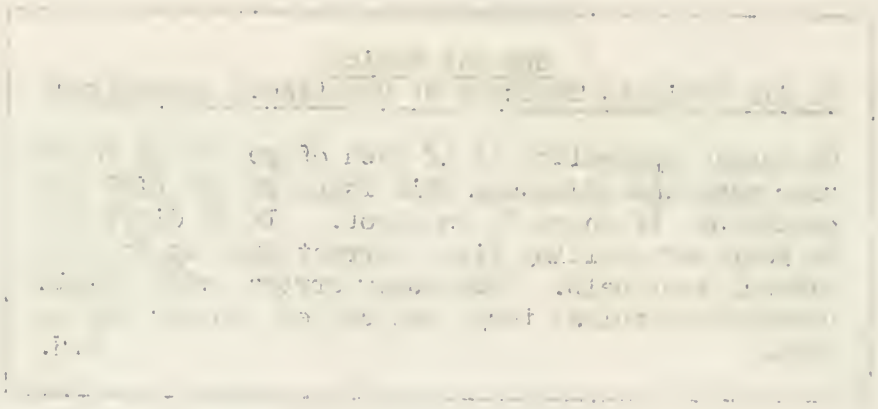
Table for Converting Swine Weights. We still have a supply of tables for converting swine weights to 56 days. In general, only single copies are available on a free basis. If a department needs more, we will consider supplying them at a nominal charge. M.H.

Illinois Scoring System Device. Printed copies of the device for scoring placings according to the Illinois Scoring System have been distributed to Illinois departments of vocational agriculture on numerous occasions. Extra copies have been made available on a charge basis since the first free distribution. When Illinois teachers request no more than three or four copies with other judging supplies, there will be no charge. We have cut-outs for use by those scoring by letter or by number. Single copies of the device with cut-outs are available to out-of-state teachers, state supervisors, teacher trainers, and others without charge. If more are ordered, they are 15 cents a set, f.o.b. Urbana.* M.H.

Guide to Parliamentary Practices. Copies of this publication are still available. New departments approved this year may obtain up to twelve copies free upon request, provided they state that the department has been approved for the first time for the school year 1956-57. A charge of 15 cents a copy, f.o.b. Urbana, will apply to others who order more than a single copy.* Single copies will be distributed free to out-of-state teachers of vocational agriculture, teacher trainers, and state supervisors, as well as to individual teachers in Illinois who may not be familiar with the publication. M.H.

Notebook Rack. We still have copies of the plan for the notebook rack mentioned in previous issues of the AIDS. It is an $8\frac{1}{2}$ x 11 inch sheet, and single copies are free upon request. M.H.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.



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Electric Motors for Farm Use. This 8½ x 11 inch publication of more than 30 pages was prepared primarily as a text and laboratory guide to accompany the laboratory materials on electric motors now available in each of the 25 agricultural sections in Illinois. Copies are 40 cents each if fewer than five are ordered at one time or 35 cents each for five or more. Both prices are f.o.b. Urbana.* M.H.

Soil-Testing Supplies. In April 1953 Vocational Agriculture Service discontinued distributing most of the soil-testing supplies handled up to that date. We are, however, still handling three of the items previously used in our soil-testing kits: racks for holding testing vials, greenhouse or measuring spoons, and the lamp used in reading the K test. Racks are 25 cents each, greenhouse spoons 50 cents each, and lamps $1.25. All three prices are f.o.b. Urbana.* M.H.

Boxes of Filing Supplies. Most Illinois teachers are probably familiar with our boxes of filing supplies. These materials are available at no cost to Illinois vocational agriculture teachers who have had the filing work. Those who are not teaching in Illinois but who have had the filing work can buy them at a cost of $5.00 f.o.b. Urbana.* They are not available on any basis to those who have not had the filing work. M.H.

Illinois Soil-Type Description Sheets, AG-1443. Copies of this publication are still available through the Information Office of the College of Agriculture at $2.00 a copy. The set includes the principal soil association areas of Illinois, diagrams of soil profiles and landscapes, glossary of soil terms, list of Illinois soil types in both numerical and alphabetical order, and 285 soil-type descriptions.

If you order, please remember that the Information Office requests payment with orders. If you prefer, you may order through our office on the basis outlined in paragraph 1, page 12, of this issue. M.H.

The Illinois Farm Record Book. The Extension Service in Farm Management and the Department of Agricultural Economics of the College of Agriculture have revised and modernized the Illinois Farm Record Books, Parts 1 and 2.

The new books will be received from the printer by September 1, 1956. Orders from Smith-Hughes teachers for books to be used during the fall term will receive prompt attention. All old copies of the Illinois Farm Record Books will be discarded, as they are out of date.

The new features of the revised books are (1) new five-year continuous depreciation schedules that comply with the recent changes in the income tax law; (2) a new two-page record for social security tax on farm workers; (3) a new page record for computing the self-employment social security tax; (4) several new pages for studying of the farm business that list desirable practices for efficient production and include a limited analysis of livestock feeding operations; (5) a revision of the record for cash farm expenses; (6) and a provision for capitalizing breeding, dairy, and work stock from inventory to depreciation schedule.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

There will be no increase in price. The books will sell as follows:

Part 1 - 40 cents a copy, 35 cents each for 5 or more;

Part 2 - 25 cents a copy, 20 cents each for 5 or more;

Out-of-state orders, Part 1 - 45 cents, Part 2 - 30 cents. G.B.W.

Note:

George B. Whitman, extension specialist in farm management, who revised the Illinois Farm Record Book as part of his sabbatical leave studies, believes that the new edition will provide farmers or students with a strictly up-to-date simplified farm account record that will be helpful for making a limited analysis and study of the farm business and that will be accurate for tax reports.

The University does not wish to penalize those who have ordered copies of the book previously for future use. We understand that any copies that have not been used can be exchanged for copies of the new book. Vocational agriculture teachers should make such exchanges through Vocational Agriculture Service. M.H.

Special Notice to Out-of-State Teachers. Vocational Agriculture Service is glad to serve you as well as our own teachers. We do, however, wish to call your attention to the fact that on some items departments make a slightly different price to out-of-state residents. For example, planning the Farm Business is 25 cents a copy to out-of-state residents regardless of number of copies ordered. It is 25 cents a copy to Illinois schools unless five or more are ordered, in which case the charge is 20 cents.

It is possible that other departments may from time to time place a small additional charge on items requested by out-of-state persons. When we announce such items in the AIDS, we will try to call attention to these differences. If you are an out-of-state reader and are interested in some item that is mentioned in the AIDS and the announcement does not state whether it is available out of state, we suggest that you contact us. M.H.

National Brochure, "Careers Ahead." Complimentary copies of this publication were distributed to vocational agriculture teachers in Illinois last year. Copies were also sent to high school principals, to persons whose names were suggested as prospective College of Agriculture students, and to a limited group of others.

Vocational Agriculture Service was asked to maintain a supply for those wishing to purchase additional copies. We still have copies at 12 cents each, postage prepaid, although the minimum order is five copies.* If you are an out-of-state resident, we suggest that you try to get your copy or copies through your own land-grant college. If you cannot get them from that source, we will accept orders so long as our supply lasts. Please note that the minimum order is five copies. M.H.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

Revolving Jar Holders for Small Items: We now have additional revolving jar holders for small items. One size holds 36 14-oz. jars and is priced at $5.00, f.o.b. Urbana.* Another size holds 48 4-oz. jars and is priced at $4.00, f.o.b. Urbana. Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will pack it as carefully as possible and send it by insured parcel post or express, depending upon which is cheaper. The insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M.H.

Jars for Revolving Jar Holders. We normally stock jars for those wishing to make up their own revolving jar holders. The 14-oz. size with cover will mount on a standard 4 x 4. The square 4-oz. jars can be mounted on a piece obtained by ripping a standard 2 x 4. Because these jars are slightly different in size from the ones we used in the first holders, schools wishing to make their own revolving device may need to make a slight variation in the over-all length of the piece on which the jars are to be mounted and in the spacing from those shown on the blueprints.

The 14-oz. jars with covers are $1.00 per carton of twelve, while the 4-oz. jars with covers are $1.00 per carton of twenty-four. Prices are f.o.b. Urbana and are based on full cartons only.* Our supply of 4-oz. jars is temporarily exhausted Additional ones have been ordered and should be available for shipment by August 15 or before.

Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will send it by insured parcel post or express, depending on which is cheaper, and the insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M.H.

Supplies for Judging Contests. For some years Vocational Agriculture Service has provided supplies for use in judging contests. The charge of $2.50 per thousand, f.o.b. Urbana, for placing cards will be continued this year, regardless of whether the cards are for sectional judging contests, local contests, 4-H contests, or other similar activities.* There will be no additional charge for registration cards, score sheets, manila cards for scoring, judge's placing cards, and the like if they are ordered at the same time as the placing cards. The $2.50 per thousand will make judging cards cost not more than two cents per boy for the eight rings ordinarily included in any of our contests. We think most teachers will agree that this charge is reasonable.

We have placing cards in seven colors and crop and weed seed identification cards in the same colors. Registration cards in two colors will be available for each of the divisions ordinarily included in the state judging contest. Summary sheets are in two colors, and manila cards for scoring and judge's placing cards will be sent when requested on the basis of number of rings to be included in the contest.

PLEASE NOTE: Again this year we have a form to use when ordering judging supplies. It should help you in ordering and also help us fill your order more intelligently. Please request a copy of the form before ordering supplies. M.H.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

The Science and Economics of Soil Fertility--AG1589. The Information Office tells us that they still have a few copies of the mimeograph entitled "The Science and Economics of Soil Fertility." They are 50 cents each and may be secured from the Agricultural Information Office, 110 Mumford Hall. That office requests that payment accompany orders. You may place your order through Vocational Agriculture Service if you find it more convenient. The price per copy (50 cents) will be the same.* M.H.

Weeds of the North-Central States. Copies of this publication (Illinois Circular 718--Regional Publication No. 36) are still available. More than 200 weeds are described, and illustrated copies of the publication are 75 cents each if fewer than 10 are ordered or 65 cents each for ten or more. You may order direct from the Agricultural Information Office, 110 Mumford Hall, and payment should accompany all orders. If more convenient, you may order through Vocational Agriculture Service at the prices quoted.* It is suggested that out-of-state readers in the North-Central Region obtain copies from their own land-grant college. If they are not available from that source, we shall try to meet your needs upon request. M.H.

Swine Manual. The Swine Manual, announced in February 1953, is still available. It is a printed 8 1/2 x 11 inch spiral-bound publication containing about 120 pages and 15 chapters. It includes information previously published in some of the subject-matter units, plus additions that were necessary to more nearly cover the enterprise.

Price of the Swine Manual is $1.35 each for 1 to 9 copies, $1.10 for 10 to 24 copies, or $1.00 for 25 or more copies. All prices are f.o.b. Urbana.* M.H.

Planning the Farm Business. Copies of this book are 25 cents each to out-of-state readers, regardless of number of copies ordered, and to all Illinois residents who order fewer than five copies at one time. Illinois teachers ordering five or more copies at the same time may obtain them either from the Agricultural Information Office, 110 Mumford Hall, or from Vocational Agriculture Service, 434 Mumford Hall, at 20 cents a copy.* If you order from the Agricultural Information Office, payment should accompany orders. M.H.

Agricultural Releases for 1956-57. The Agricultural Releases will again be available this year. Because of the difficulties involved, the subscription list for 1956-57 releases will be closed as of September 1, 1956. Further, to make sure that all subscribers get a complete set and to avoid making more than one shipment during September, releases that would normally be sent September 1 will be mailed September 15. Thereafter, they will be mailed the first of each month up to and including May 1, 1957.

Agricultural Releases will include all multiliths, mimeographs, or printed releases from the College of Agriculture which departments approve of our sending except (A) items primarily of local interest and (B) items that carry a regular charge, unless complimentary copies are made available for subscribers. NOTE--"Agronomy Facts" and "Summary of Spray Material Presentations" ordinarily carry a charge but will be included if issued and if your subscription is received in time.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

The subscription charge for the 1956-57 releases will be based on the cost to Vocational Agriculture Service but will not exceed $10.00 plus postage. The charge to out-of-state subscribers will be the same (not exceeding $10.00 plus postage) unless departments or divisions make a higher charge to Vocational Agriculture Service for copies that are to be sent out of state. In that case subscribers will be charged accordingly. Since the actual subscription price will not be known until after the last issue has been sent, Vocational Agriculture Service will set up an open (charge) account for each subscriber and will accept charge orders for any material available through our office regardless of how small the amount and so long as the subscriber does not have an unpaid statement in our files older than three months.

Unless the subscriber requests otherwise, monthly charges for Agricultural Releases and monthly charges on an open account will be accumulated in our office until they total $5.00; between the 1st and the 15th of the first month thereafter a statement will be sent covering the accumulated total. At the end of our fiscal year (June 20, 1957), a final statement will be sent to each subscriber, regardless of how small the accumulated charges might be. M.H.

Voc. Agr. Service Electric Motor Kits Available. Electric motor laboratory kits will be available in each section on the same basis as last year. Kits are in charge of electric power supplier representatives who are cooperating in the program.

These men will issue a kit to eligible teachers according to the schedule for the year which is worked out by the sectional chairman and those concerned. Teachers who have not participated in a training meeting, either in the section, some other section, or at the University of Illinois (applicable to recent graduates) may request this training from the power supplier representatives.

Details of this program have been sent to each sectional chairman for distribution and discussion at the sectional meetings. M.H.

New Circulars and Soil Report. We have just received a copy of Circular 716, "Protective Foods for Buoyant Health in Work and Play." It is really a single sheet, made up as a four-page folder, from the Foods and Nutrition Division of Home Economics. Circular 762 is entitled "Increasing Farm Production and Earnings on Claypan Soils in Southern Illinois." Because of the limited application of this publication, copies will not be included in the September Agricultural Releases. Those desiring copies can order on the basis of the policy stated on page 14.

Copies of circular 674 "Cooling Stored Grain to Prevent Spoilage in the Top Layers," are being sent to Agricultural Release subscribers with the September Releases. Others can obtain copy in the regular manner. Soil Report 78 is entitled "Lawrence County Soils." Copies are not being sent to Agricultural Release subscribers because of the limited number that would probably be interested.

In addition, we have received a one-page supplement to Extension Circular 585 entitled "Beef for the Table." It carries an announcement regarding the change in government grading of beef effective June 1, 1956. A copy of this single sheet supplement will be included in the September Releases for the benefit of those who have the copy of C585. Additional copies may be obtained upon request. M.H.

Land-Use Selection Cards. By August 15, Vocational Agriculture Service should have a supply of Land-Use Selection Cards. These are $5\frac{1}{2}$ x 8, printed on both sides. The information on them is based on the new Illinois Circular 758 entitled "Understanding Soils." Packages of 25 are 50 cents, f.o.b. Urbana.* Order will be accepted now and shipment made as soon as copies are available. M.H.

Educators Guide to Free Films (16th Annual Edition, 1956). Since the June Conference we have received a copy of the 16th edition of "Educators Guide to Free Films." A letter accompanying it states that the price of the guide is still $6.00 and calls attention to the publisher's foreword, from which the following statements are taken:

> "This SIXTEENTH annual GUIDE TO FREE FILMS is completely revised. The GUIDE has come a long way in sixteen years from that first 1941 edition, which required but 102 pages to document 671 film titles, to this current 560-page edition of 3,453 titles.
>
> "766 of the 3,453 titles are new in this edition. There are more new titles in this edition than the total listed in the first (1941) edition.
>
> "This SIXTEENTH edition lists 384 more titles than the previous edition.
>
> "Films withdrawn during the year have been deleted.
>
> "Films which failed to meet reasonably adequate availability and distribution requirements have also been deleted in this edition."

Our copy is available for review at your convenience. If you wish to order a copy for your own use, send your order direct to Educators Progress Service, Randolph, Wisconsin. M.H.

"Planning the Farm Water Systems." This publication was announced in the AIDS last year, and we understand that copies are still available. It is an $8\frac{1}{2}$ x 11 inch publication containing 11 chapters and more than 75 pages. It deals with such topics as the value of a water system, how much water will be needed daily, and what type of pump, size and kind of pipe, and wiring and motor protection to use. Copies are available from the Coordinator's Office, Southern Association of Agricultural Engineering and Vocational Agriculture, Barrow Hall, Athens, Georgia. The price is $1.00 a copy, postpaid. There is a 10 percent discount on orders of ten or more copies, but shipping charges will be added. I assume that payment should accompany orders. M.H.

ABC's of Hand Tools. Unless you have an open account with Vocational Agriculture Service as a result of subscribing to Agricultural Releases for 1956-57 or having an advanced order for units, please enclose stamps to cover postage on this item at the rate of 2 cents a copy. We hope that you will order a minimum of four or five copies. M.H.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

Pressure-Sensitive Paper for Making Tool Silhouettes. Our supply of pressure-sensitive paper was exhausted during the week of the June Conference. An additional supply has been ordered, which we hope will be delivered on or before August 15. As soon as it is received, we will fill back orders. The paper comes in 20" x 25½" sheets, coated on one side with a permanent pressure-sensitive adhesive protected by a removable back. The paper is white but can be painted any desired color with a good grade of enamel. The price will be a little higher than quoted previously because of an increase since we last ordered. Back orders will, however, be filled at the old price. The current price will be $1.00 for three sheets, f.o.b. Urbana, with a minimum order of three sheets. Additional sheets, if ordered at the same time and included in the same shipment, will be 25 cents each, f.o.b. Urbana.* M.H.

Wanted: Tall(est) Stalk of Corn. Mr. Sheridan Gallagher, manager of the Observatory, Chicago Board of Trade, has asked for help with a display that is to feature the tallest stalk of corn in Illinois on top of the tallest building in Chicago. They had planned it for last year but were not able to obtain the stalk of corn. We understand that this display will receive considerable coverage by Chicago papers, and we assume that the vocational agriculture department that cooperates and the farmer who furnishes the corn will be included in the publicity releases.

I have informed Mr. Gallagher that we could not assure him that any stalk provided through the assistance of a vocational agriculture teacher or department would necessarily be the tallest in Illinois, but that we would attempt to get the tallest possible stalk. Since it will need to be delivered to the Board of Trade in one piece and with roots, it would probably be advisable to get it either in the Chicago area or in some nearby location where delivery will not be too serious a problem.

We realize that corn has not yet reached its maximum height, but we are anxious to give any help we can in securing the stalk for the display, especially since the cooperating department will undoubtedly receive some worth-while publicity. We expect to make another announcement in a future issue of the AIDS but would appreciate it if you would have your boys be on the lookout for the tallest stalk of corn in their vicinity. M.H.

"The Field Chopper for Harvesting Forage." We still have 100-150 copies of the seven-page mimeograph entitled "The Field Chopper for Harvesting Forage." These were made available on a free basis at the time of the June Conference. Our remaining supply will be made available with no limits within reason. We would, however, appreciate it if you would enclose postage at the rate of 1 cent a copy, and we hope that you will request no fewer than four or five copies. M.H.

Subject-Matter Units From Vocational Agriculture Service. No copies of subject-matter units 1-146 remain. All remaining copies were distributed during the week of the June Conference. A two-page supplement to this issue of the AIDS giving information on new units released and to be released will be found immediately after the index page. M.H.

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Slidefilms Available From Vocational Agriculture Service. Following the index page for this issue of the AIDS is a supplement giving a list of the slidefilms available from Vocational Agriculture Service as of August 1, 1956, and other information relating thereto. M.H.

Index of Plans (Sets 1 and 2). Each set consists of 100 4" x 6" cards. The cards are not intended to replace the plans referred to, but are expected to serve only as an index or reference to such plans. Each card contains an illustration of the item, the source, the number of the plan, the charge and a brief description. Two sets have been completed to date. We hope eventually to have several sets. There may be several cards regarding the same kind of item. For example, several hog feeders may be included but not two of the same plan. Those ordering may wish to file the cards under subject-matter headings. Sets are $1.00 each ($2.00 for the two sets), f.o.b. Urbana.* M.H.

Business Reply Cards and Envelopes. Vocational Agriculture Service has a supply of business reply cards and envelopes which it will make available to those who write us on numerous occasions. Cards (and envelopes) are each in packages of ten. The cards are 15 cents a package and envelopes are 20 cents a package. Vocational Agriculture Service pays the postage on either the card or envelope upon arrival. Consequently, use of these supplies will not only add to your convenience, but at the same time slightly reduce your postage charges in contacting us. M.H.

Blueprint for Matching Boards, Bolt Racks, Tool Cabinets, and Revolving Device. Blueprints are available for each of these four items. They are 20 cents each or 50 cents for the four if ordered at the same time. All prices are f.o.b. Urbana.* M.H.

Weed and Crop Seeds. Some weeks ago we placed an order for 50 sets of crop and weed seeds similar to those distributed some years ago. They will include the seeds listed in the announcement of the 1955 State Judging Contest. During the week of the June Conference, and immediately after, 38 sets of the weed seeds and 36 sets of the crop seeds were ordered. This leaves us 12 and 14 sets respectively. We will accept orders for up to 50 sets. Weed seeds are $8.25, f.o.b. Urbana, and crop seeds are $5.25, f.o.b. Urbana.* M.H.

Calendar of Events. We have printed copies of the 1956-57 Calendar of Events similar to those of preceding years but are not yet ready to accept orders or distribute them. A copy will be enclosed in the Agricultural Releases to be mailed about September 1. Since the Agricultural Release subscription list for 1956-57 does not close until September 1, it will be about that date before we know how many extra we will have to distribute. A further announcement will appear in the September AIDS. M.H.

One-Day Courses. At the June Conference we announced three one-day courses that could be offered if there was sufficient interest. Interest was too scattered to justify offering the work during the summer. Sectional chairmen already have information regarding one-day courses, which we assume they will announce at the sectional meetings if time permits. M.H.

* See paragraph 4, page 11, regarding payment policy for items purchased from Vocational Agriculture Service.

Problem and Key for Revised (1956) Farm Account Book. To date work has advanced about as far as possible on preparing a new problem and key designed for the new 1956 farm account book. We will need proof or copy of the finished book before we can proceed. We are told that it will be about September 1 before we will be able to get either one. It will then probably take a month or more to complete problems and key. We make this announcement so that you may know that a new problem and key will be forthcoming and why it cannot be ready by September 1. We will make a further announcement when we have more definite information. M.H.

Material on Using the Farm Level. Vocational Agriculture Service has this year invested several hundred dollars in making up seven kits of materials to be used in a unit dealing with use of the farm level. A more complete announcement regarding availability of this material and one-day courses on using it was sent to sectional chairmen in sufficient quantities for distribution to teachers at the sectional meetings. If your sectional meeting has not been held, you should receive a copy at that meeting. M.H.

Materials for Unit Dealing With Making Quality Concrete. We now have enough of several of the items in the "Concrete Laboratory Materials" to schedule a set in each section. On the other hand, some items still need to be obtained or made up to complete the kits. If they can be completed in time, we will include a further announcement regarding the material in the September AIDS. Since this is a unit that will probably be done during the winter months, this delay will probably not handicap teachers wishing to use the material. Please do not request materials until we announce that we are ready to accept requests. M.H.

Policies and Procedures

Regarding Payment for Items Purchased Through Vocational Agriculture Service. For years Vocational Agriculture Service has had a policy of accepting orders totaling more than $5.00 on an open account. We request that payment, including postage, accompany all orders totaling less than $5.00 unless the individual or organization ordering is a subscriber to Agricultural Releases for 1956-57 or has placed an advance order with us for the units that are to be released during 1956-57. In either case this necessitates our setting up an open charge account against which we can make additional charges under the $5.00 minimum. We will accept stamps for orders totaling less than $1.00. M.H.

Regarding Prices on Vocational Agriculture Items. In general, Vocational Agriculture Service bases its prices on duplicating and distributing costs and does not attempt to recover salaries and similar costs that go into production of the item. In fairness to all, we have adopted a policy of pricing all items f.o.b. Urbana unless otherwise indicated. This certainly should not handicap those who subscribe to Agricultural Release for 1956-57, those who have advance orders for units to be released this year, or those whose orders total $5.00 or more. Payment, including postage, should accompany orders totaling less than $5.00. Any excess amount allowed for postage will be returned. M.H.

Payment of Postage on Publications. As we have announced at various times in the past, schools ordering bulletins or circulars from the College of Agriculture will be expected to pay transportation costs unless the order is small enough to permit franking the publications. If the order weighs four pounds or less, the shipment can be sent by franked mail. Shipments weighing more than that amount will be sent by express collect unless parcel post is cheaper. Vocational Agriculture Service will no longer prepay the postage unless you are subscribing to Agricultural Releases for 1956-57 or have an advance order for units to be released during this year. M.H.

Plan for Grouping Charge Orders From Different Divisions of the College of Agriculture. Vocational agriculture teachers can now order through Vocational Agriculture Service any charge items distributed by cooperating divisions of the college and have all of the items charged on a single statement. In general, items will be sent to you by the division that ordinarily distributes them, but the division will charge Vocational Agriculture Service and not your school. We will then bill the various charges on one of our statements. That will make it unnecessary for you to try to remember various policies with respect to payment. The plan may also enable you to order the minimum of $5.00 and thereby eliminate the need to send payment with your order in case you are not subscribing to Agricultural Releases for 1956-57 or do not have an advance order for units to be released this year. M.H.

Adding Items to or Deleting Them From Statements. Whenever you wish to have an item added to or deducted from one of our statements, or any other change made, please return the original (white) copy of the statement with your request so that it as well as our file copies can be corrected.

We try to fill orders on the day they are received, or at least not later than the following day. If you order items one day and send another order the following day and ask that it be put on the same statement, it may be impossible because the first order may already have been shipped and the statement forwarded. M.H.

Policy Regarding Participation of Agricultural Staff Members in Off-Campus Meetings. So far as we know, there have been no recent changes in policy regarding help from the College of Agriculture for evening-school meetings. Since beginning teachers may not be familiar with the policy, however, we are repeating certain parts of it:

a. In order to avoid conflicts and duplication within the county, vocational agriculture teachers should confer with farm advisers before making requests for services of staff members. Teachers may then send their requests either to Vocational Agriculture Service, Room 434 Mumford Hall (Tel. Ext. 186), or direct to the individual or department concerned.

b. Before accepting a request that comes direct to a staff member or a department, the staff member or department should check with Vocational Agriculture Service to determine whether any other member has been secured for the series of meetings.

c. Normally only one speaker will attend any one series of vocational agriculture meetings.

d. As a general policy, no charge will be made for travel unless the meeting requires a special trip that would in the judgment of the head of the department justify such a charge, or unless the meeting is part of a program where funds are available for paying such travel.

Although it is not required that you make your requests through your farm adviser, we believe you will find that procedure advisable. By so doing you may increase your possibilities for getting help from the college, and you may find it possible to secure more than one person for a given series of meetings. Furthermore, it is not likely that you will have to pay travel expenses for help secured from the college through the farm adviser.

You also have the privilege of sending your requests for help direct to Vocational Agriculture Service, to the person you wish to secure, or to the department from which you wish help.

Vocational Agriculture Service is willing to have you send your requests direct to us. It has not been unusual for us to make several phone calls and sometimes several personal calls in attempting to get the help you request. We are glad to be of help, but we feel that there have been times when teachers might have been more certain of getting the person or the help they needed if they had sent their requests direct to the individual. It sometimes happens that a staff member does not have the requested date or dates open, but he may be in the area on some other date near that time and we may not know whether that would fit into your schedule. While we try to follow up on such possibilities, I am sure you can see the advantages of dealing directly with the individual.

The two suggestions mentioned above, (1) having your farm adviser request the help for you and (2) contacting the individual directly if you do not wish to secure him through your farm adviser, are offered in an attempt to assist you in getting the help you need. M.H.

Loan Boxes of Electrical Wiring Supplies. We shall continue the policy put into effect last year of allowing a school to determine the length of its loan period on the basis of need. Also continued will be the policy of loaning the boxes only to those who have had the one-day course on using the revised boxes or the work given in Agricultural Engineering 201 by Professor Matthews. Boxes will be loaned only on the basis of signed loan agreements. If interested, please request a loan agreement. The following information may be of interest to those wishing to use boxes:

Under the plan that permits schools to determine length of loan period, we will probably not be able to grant extensions. If the box is requested by another school, it will be scheduled according to the date you indicate that it is to be back to our building. Please use care in scheduling your box so that it will not be necessary to request an extension. Of course, we hope you will not be unreasonable in the length of time for which you request the box.

We have no means of rechecking a box after we send you a statement of charges. Boxes are reconditioned as they are checked. The same person has done the checking for more than ten years. Because he is human, he may make mistakes, but his years of experience should help to prevent them. We will be glad to check a box in the presence of the teacher. If lengthening the loan period will make it possible for you to deliver the box and thus save shipping charges and at the same time have it checked in your presence, that will be an additional advantage. If you wish to have the box checked when you bring it in, please let us know in advance so that you will not be unduly delayed after you arrive at our building. While it

usually takes several hours to check, recondition, and repack a box, it would probably not take more than half that time to do the actual checking. This is the basis on which charges are made except for time required to recondition and repack the items. M.H.

Request for Bulletins and Circulars From the College of Agriculture. The following may give you information regarding the policy relating to distribution of Bulletins and Circulars from the College of Agriculture to those in the vocational agriculture program:

1. You may send requests to VOCATIONAL AGRICULTURE SERVICE for library copies of all Illinois bulletins and circulars needed in your vocational agriculture program. In general, copies distributed through our office are expected to be kept as a part of the agriculture library, although we realize that occasionally you will find it advisable to give a copy of publication(s) to someone who has a particular need for it.

2. You may wish to advise those desiring copies of certain Illinois bulletins and circulars for their personal files to attempt to secure those through their local farm adviser. Where it seems advisable you may wish to make arrangements with your farm adviser for obtaining copies of publications needed for the personal files of those individuals that you are attempting to serve.

3. Order copies of publications for classroom use only if you are sure you can use them to advantage. If in doubt, get a single copy first and examine it carefully to see if it is suited to your purpose.

4. Order the minimum number of copies of publications that will enable you to conduct your work efficiently and effectively. Even if you have 45 students enrolled, you probably will not need 45 copies of a publication especially if the students meet at different times or can otherwise arrange to use the same copies.

5. Unless publications requested are in reserve or out of print, your order will usually be filled according to your request if it conforms with the ratings given the publications by the committee of the I.A.V.A.T.

6. The committee rating will be overlooked on publications not rated "S" (suitable for class use) if you present sufficient evidence of need to justify the extra copies. This should include evidence that you are thoroughly familiar with the publication, as well as evidence that the extra copies can and will be used to good advantage in the classroom.

7. Ordering quantities of numerous publications ranked other than "S" by the I.A.V.A.T. committee may indicate a lack of information on your part. Consequently, before ordering quantities of any given publication, make sure that they can be used to good advantage.

NOTE: The committee ratings on publications is no longer available for distribution. Experience has taught us that too many teachers simply follow the plan of ordering according to the committee ratings rather than according to their needs.
M.H.

NEWS AND NOTES FOR ILLINOIS TEACHERS OF VOCATIONAL AGRICULTURE (AUGUST 1956)

From the Desk of I.A.V.A.T. President

This is the time plans are being made for the new school year, and much time, I am sure, is being spent on supervised farming programs, with emphasis at this time of year on F.F.A. fairs, which will start soon and continue until September. I think we would be very much surprised at the size of our work if it were possible to combine our 25 sections into one huge F.F.A. show. It is each local school combined with the sections that makes a strong state program.

It is my hope that each teacher of agriculture in Illinois is having a fine summer. I am sure we feel that it is necessary for each of us to take some time off for vacation. After the rigors of a school year with our regular all-day classes, F.F.A. work, and adult classes, along with the many community activities in which each Ag teacher takes part, we owe it to ourselves and our families to take time out to play together. We will be better teachers next year for it. The best of luck to all of you.

I have just returned from the NEA convention at Portland, Oregon, to which I was a delegate. I can report an interesting and inspiring meeting. Illinois can be proud to have had Lester Buford of Mt. Vernon as the NEA president. He conducted an excellent convention. Attendance at a convention like this makes one proud to belong to our profession. We should think not only of our field, but of the profession as a whole, even though our primary interest is in vocational agriculture.

I want to take this opportunity again to ask each of you to help make this newsletter interesting and informative. Each teacher is asked to send news to his sectional chairman, who in turn will send it to the directors. The directors will send the material on to me. Such things as interesting experiences you have had or experiences others have had, marriages, change of position, illness, and deaths you think all of us should know about, as well as many other news items that would be appropriate for our news sheet, will be welcomed. Please send your material in early each month, as I must have news items to Mr. Henderson by the 20th.

We hope to have a new heading on the newsletter in the next month or two. Our stationery and envelopes will use a similar heading. This was started by last year's executive committee, headed by Orval Floyd.

We wish to take this opportunity to thank Melvin Henderson and his staff for their cooperation in printing this newsletter and for the help they have given toward completing the new letterhead. Thank you.

We thought you would like to know Dr. Nolan's address. It is Dr. A. W. Nolan, Oak Hill Manor Nursing Home, Hudson Street, Ithaca, New York. As Paul Walker suggests, "When we are 82, we would appreciate some mail from old friends." We hope as many teachers as possible will send Dr. Nolan a letter.

Kenneth Anderson, Ag teacher at Ottawa, was married in June. Congratulations, Ken.

Joe Hill of Lostant is at Oklahoma A. & M. for summer school.

[illegible] FOR ILLINOIS TEACHERS OF VOCATIONAL AGRICULTURE (AUGUST 195[illegible])

From the Desk of I.A.V.A.T. President

This is the time plans are being made for the new school year, and much time I am sure, is being spent on supervised farming programs, with emphasis at this time of year on F.F.A. fairs, which will start soon and continue until September. I think we would be very much surprised at the size of our work if it were possible to combine our 25 sections into one huge F.F.A. show. It is each local school combined with the sections that makes a strong state program.

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[illegible] Anderson, Ag teacher at Ottawa, was married in June. Congratulations, Ken.

Joe Hill [illegible] is at Oklahoma A. & M. for summer school.

[illegible], August 195[illegible]

The executive committee, which includes the officers and directors of I.A.V.A.T., will meet in Mr. Hill's office on August 14 and 15, and part of us will also meet on August 16. The executive committee will meet on the 14th, the executive committee with supervisors and teacher trainers on the 15th, and the trustees of the Illinois Foundation Future Farmers of America on the 16th.

Some Scheduled Dates:

August 27	Section 22	Livestock Fair at Highland
September 26	Section 22	Leadership Training Meeting at Waterloo
August 6	Section 8	Livestock Fair at Ottawa

With this issue of the AIDS sent to vocational agriculture teachers in Illinois are three I.A.V.A.T. releases: a list of the I.A.V.A.T. officers for 1956-57, a list of the I.A.V.A.T. committees and committee members for 1956-57, and a copy of the revised consititution of the I.A.V.A.T. A.V.M.

From Vocational Agriculture Service

Comments From Teachers on "The Operation, Care and Repair of Farm Machinery. Representatives of Deere and Company have on several occasions expressed appreciation for comments received from vocational agriculture teachers in Illinois on their publication. Last year fifty to seventy-five teachers were asked to comment on the publication, and a good percentage complied. The comments were sent to our office and we in turn forwarded them to Deere and Company.

We understand that work is now under way to revise the publication and that the comments and suggestions are being used in the revision, to be released in the fall of 1957. M.H.

Additional FFA Roadside Signs. While we cannot promise definitely at this time, it is possible that additional roadside signs may be made up during the 1956-57 school year. I assume the trustees of the Illinois FFA Foundation will decide when they meet on August 16. If additional sets are to be made, vocational agriculture teachers in Illinois will be notified through the office in Springfield or our office. M.H.

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SUBJECT MATTER UNITS FROM VOCATIONAL AGRICULTURE SERVICE

None of the units in series I (1-146) remain. Six units in the current series (series II) were announced last school year. Those were--

1001 - Caring for the Sheep Flock During Breeding and Gestation
6 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4001 - Collecting and Preparing Soil Samples
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4002 - Testing Soils for Acidity
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4003 - Testing Soils for Phosphorus
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4004 - Testing Soils for Potassium
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4005 - Nature of Soil Acidity and Major Plant Nutrients
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

Orders for the foregoing will be accepted and filled as long as present supplies permit. Our supply of some of the 6 is nearing exhaustion; in fact we have less than 100 copies remaining of VAS 1001 and less than 500 copies of each of 2 others. We do plan to reprint during the year if the need arises and conditions permit. When that is done there will be some changes in format (although probably not in subject matter) on 5 of the 6 issued previously.

In addition to the foregoing we expect to have copies of the following ready to distribute by September 1, 1956--

1002 - Artificial Insemination
8 pages; 1-4 copies 20¢ each postpaid--5 or more copies 6¢ each f.o.b. Urbana
1003 - Selecting and Purchasing
8 pages; 1-4 copies 20¢ each postpaid--5 or more copies 6¢ each f.o.b. Urbana
1004 - Diseases of Sheep
10 pages; 1-4 copies 20¢ each postpaid--5 or more copies 8¢ each f.o.b. Urbana
1005 - Internal Parasites of Sheep
7 pages; 1-4 copies 20¢ each postpaid--5 or more copies 5 1/2¢ each f.o.b. Urbana
1006 - External Parasites of Sheep
7 pages; 1-4 copies 20¢ each postpaid--5 or more copies 5 1/2¢ each f.o.b. Urbana
1007 - Capons and Caponizing
8 pages; 1-4 copies 20¢ each postpaid--5 or more copies 6¢ each f.o.b. Urbana
3001 - Oxy-Acetylene Welding
24 pages; 1-4 copies 35¢ each postpaid--5 or more copies 18¢ each f.o.b. Urbana
4006 - Using Limestone to Correct Soil Acidity
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4007 - Using Phosphorus Fertilizers
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4008 - Using Potassium Fertilizers
3 pages; 1-4 copies 10¢ each postpaid--5 or more copies 2 1/2¢ each f.o.b. Urbana
4009 - Using Nitrogen Fertilizers
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4010 - Probable Responses from Use of Fertilizers
4 pages; 1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana
4011 - Hunger Signs--A Guide to Soil Improvement
6 pages plus 2 color pages; 1-4 copies 20¢ each postpaid--5 or more copies 13¢ each f.o.b. Urbana

(OVER)

Covers are available for any of the foregoing units except 3001 at a cost of 2¢ each f. o. b. Urbana, regardless of the quantity ordered and if ordered with units.

Those who placed advance orders for units prior to the deadline date of July 1, 1956, should not order on the basis of this announcement unless they wish additional copies. Advance orders will be filled as soon as units are available.

On units being printed this school year we are printing about 1000 copies more than needed to fill advance orders. We do plan to reprint if that becomes necessary but at present we have a backlog of more that 75 pages in the hands of the printer. We are of the opinion that more individuals will benefit by making initial runs of material ready to print the first time than would benefit by delaying printing of that and making reruns. Consequently if our present supply of any of the units is exhausted while a backlog still exists, there will be a delay in the reruns.

Payment, including postage where prices are f. o. b. Urbana, should accompany all orders totaling less that $5 unless the school or individual has an open account with us because of being an Agricultural Releases subscriber or because of having placed an advance order for units for 1956-57. Stamps will be accepted for amounts of $1 or less.

We are now ready to accept orders for any of the foregoing units with the understanding that if any are not available when your order is received, they will be back ordered and sent as soon as copies are available.

SLIDEFILMS AVAILABLE FROM VOCATIONAL AGRICULTURE SERVICE AS OF AUGUST 1, 1956

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY			
120	Feeding for Egg Production	71	$ 1.24	$ .88
121	Tables, Graphs and Charts on Poultry Production	59	1.03	.74
122	Identification of Breeds and Varieties of Chickens (in color)	63	2.83	not avail.
140	Control Stomach and Nodular Worms of Sheep	48	.84	.60
141	Shearing	64	1.12	.80
142	Breeds of Sheep	106	1.86	1.33
143	Selecting Sheep	85	1.48	1.06
160	Increase Profits Through Swine Sanitation	65	1.14	.81
163	Tables, Graphs and Charts Relating to Swine Production	52	.91	.65
164	Breeds of Swine	82	1.44	1.03
165	Swine Herd Testing	65	1.14	.81
166	Selecting Breeding Hogs	78	1.36	.98
167	External Parasites of Swine	48	.84	.60
180	Fitting, Training, Grooming, and Showing Beef and Dairy Calves	100	1.75	1.25
181-185	Meat Films (Complete set)		10.00	7.00
181	Identification of Kinds of Meat (in color)	24	1.81	1.27
182	Identification of Cuts of Pork (in color)	44	3.12	2.18
183	Identification of Cuts of Beef (in color)	38	2.70	1.89
184	Identification of Cuts of Veal (in color)	30	2.29	1.60
185	Identification of Cuts of Lamb (in color)	26	1.93	1.35
186	Preventing Loss When Handling Livestock	40	.70	.50
	DAIRY HUSBANDRY			
200	Control Mastitis of Dairy Cattle	49	.86	.61
2010	Winter Feeding of Dairy Cattle	96	1.68	1.20
202	Tables, Graphs and Charts on Dairy Production	53	.93	.66
203	Producing and Handling Clean Milk	76	1.33	.95
204	Bacteria and Milk	59	1.03	.74
205	Good Milking Practices	56	.98	.70
206	Testing Milk for Butterfat	43	.75	.54
207	Selecting Dairy Cattle	91	1.62	1.15
	FARM MANAGEMENT AND ECONOMICS			
310	Increasing the Efficiency of Man Labor	54	.94	.67
320	Marketing Grain Through a Grain Exchange--The Cash Market	43	.75	.54
321	Marketing Grain Through a Grain Exchange--The Futures Market	52	.91	.65
330	Farm Appraisal	117	2.05	1.46

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	FARM MECHANICS			
4000	Important Rulings Based on the National Electrical Code	124	2.17	1.55
401	Electrical Wiring and Diagramming	93	1.63	1.16
402	Some Skills in Electrical Wiring	41	.71	.51
403	Identification of Electrical Units	64	1.12	.80
404	Recognizing the Items in the Vo-Ag Electrical Loan Box--Unpacking and Repacking the box	75	1.31	.94
412-415	Electric Motors (complete set)		2.90	2.10
412	Part 1. Magnetism & D. C. Motor	35	.62	.44
413	Part 2. Induction & A. C. Motor	38	.67	.48
414	Part 3. Testing & Identifying Leads; connecting and reversing	42	.74	.53
415	Part 4. Trouble shooting	67	1.19	.84
420	Use of the Square	81	1.41	1.01
421	Using the Square in Laying out Hip, Valley & Jack Rafters	33	.58	.41
422	Using the Square in Laying Out a Saw Horse	16	.28	.20
430	Concrete Masonry	54	.94	.67
431	Making Farm Concrete	80	1.40	1.00
432	The Use of Welded Wire Fabric on the Farm	53	.93	.66
440	Prevent Corn Picker Accidents	42	.74	.53
450-452	Learning Farm Welding with the Arc Welder (Set of 3)		3.00*	2.15*
450	Arc Welding--Equipment and Fundamentals of Welding	42		
451	Arc Welding--Learning to Run a Bead	46		
452	Arc Welding--Welding in Different Positions	83		
453	Soldering	88	1.54	1.10
454-456	Use of the Oxy-Acetylene Flame (Set of 3)		3.65*	2.61*
454	Assembling and Testing Equipment, Lighting and Turning off the Blowpipe	66		
455	Cutting Steel, Piercing Holes, and Bronze Welding	71		
456	Fusion Welding, Hard Surfacing, Tempering, Forming, Bending, and Straightening	72		
457	Welding Cast Iron with the Arc Welder	52	.91	.65
458	Hardsurfacing Farm Equipment with the Arc Welder	42	.74	.53
459	Heating, Brazing, Soldering, and Cutting with Arc Welding Equipment	45	.79	.56

*Individual films of these two sets are sold only for completing a set. Write for prices if you need one of the films to complete a set.

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
480	Identification of Pipe and Fittings	79	$ 1.38	$ not avail.
490	Mixing, Tinting, and Applying Paint	59	1.03	not avail.
491	Selecting Paint for Exterior Work	58	1.01	.73
492	Painting Farm Buildings	86	1.50	1.08
493	Painting Farm Machinery and Other Metal Work	36	.63	not avail.
494	Use of Color in The Farm Shop (in color)	55	not avail.	1.25
495-496	Good Fencing for Better Farming (Set of 2)		2.25	1.60
495	Part 1. Building a Woven Wire Fence	80	1.40	1.00
496	Part 2. Special Fencing Problems	61	1.07	.76
	FORESTRY			
500	Planting Farm Forests in Illinois	94	1.64	1.17
501	The Farmstead Windbreak	103	1.80	1.29
502	Improve and Protect Illinois Farm Woodlands	49	.86	.61
	SOILS AND CROPS			
702	Animal Manures on the Farm	51	.89	.64
703	Collecting and Preparing Soil Samples for Testing	36	.63	.45
704	Testing Soils for Acidity and Interpreting the Test	35	.61	.44
705	Testing Soils for Available Phosphorus and Interpreting the test	57	1.00	.71
706	Testing Soils for Available Potassium and Interpreting the test	47	.82	.59
707	Estimating Probable Responses from the Use of Limestone and Fertilizer	41	.72	.51
720	Establishing Grass Waterways	43	.75	.54
721	Soul Conservation Needs, Practices. Benefits	47	.83	.59
730	Methods of Selfing and Crossing Corn	51	.89	.64
740	Selection and Preparation of Soybean Seed	52	.91	.65
741	Tables, Graphs and Charts on Soybean Production	33	.58	.41
742	Inoculation of Legume Seeds	47	.82	.59
760	Moderate vs. Intensive Grazing in Southern Illinois	48	.84	.60
761	Pasture Improvement	59	1.03	.74
	MISCELLANEOUS			
7.0	How Safe Is Your School Farm Shop?	68	1.10	not avail.
1000	Protecting F rm Manpower	56	.98	.70
1001	Improvement of Plants and Animals Through Breeding	106	1.85	1.32
1002	Principles of Breeding	47	.82	.59
1003	Using Warfarin in Controlling Rats and Mice	43	.75	.54
1004	Program of Vocational Agriculture in Illinois High Schools	79	1.38	not avail.
1005	Teaching Vocational Agriculture	51	.89	not avail.

When ordering please be sure to state whether you wish
single or double frame prints.

Orders for items distributed by Vocational Agriculture Service totaling less than $5 should be accompanied by payment unless you are an agricultural release subscriber for 1956-57 or have an advance order for units from Vocational Agriculture Service--either of which give you an open account. Stamps may be sent in payment of amounts of less than $1. Prices given are f. o. b. Urbana--postage is extra.

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars	
	June 20, 1956	July 20, 1956
Corn, bu.	$ 1.40	$ 1.47
Corn, ground, bu.	1.47	1.54
Oats, bu.	.60	.66
Oats, ground, bu.	.67	.73
Barley (feed), bu.	.95	.95
Barley, ground, bu.	1.02	1.02
Hominy feed, ton.	62.00	61.00
Wheat bran, ton	49.00	49.00
Shorts and standard middlings, ton.	50.00	54.00
Flour middlings, ton.	59.00	56.00
Red Dog flour, ton.	60.00	57.00
Soybean oilmeal, ton.	80.00	74.00
Linseed meal (37% protein), ton	69.00	71.00
Cottonseed meal (43% protein), ton.	72.00	74.00
Gluten feed, ton.	58.00	52.00
Tankage, ton.	82.00	84.00
Blood meal, ton	140.00	145.00
Beef scrap, ton	81.00	84.00
Poultry bone, ton	80.00	72.00
Garbage and kitchen waste, ton.	8.00	8.00
Skim and buttermilk, cwt.	.72	.73
Whole milk, cwt.	3.60	3.65
Corn silage, ton.	12.00	12.00
Grass silage, ton		
No preservative added	8.00	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00	11.00-12.00
Clover and mixed hay)	12.00	10.00
Cowpea hay) Add $5 per ton	10.00	8.00
Soybean hay) for baled hay.	10.00	8.00
Alfalfa hay) and straw.	12.00	10.00
Timothy hay)	10.00	10.00
Corn stover, ton.	10.00	10.00
Oat straw, ton.	8.00	8.00

Pasture Rates

Colts and calves, 6 to 12 months old, 4 cents a day
Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
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VO-AG AIDS

Volume 15, Number 2

September 1956

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

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The National Hog Farmer. The following information was sent to us by Professor H. G. Russell of the Animal Science Department:

> "The National Swine Growers Council has established THE NATIONAL HOG FARMER as their national publication. They are making quite an effort to expand subscriptions to this publication and I am advised by Wilbur Plager, president of the National Swine Growers Council, that they are offering vocational agriculture classes an opportunity to sell subscriptions to THE NATIONAL HOG FARMER and retain 50¢ out of each $1.00 subscription for their chapter fund. You might wish to investigate this matter with THE NATIONAL HOG FARMER magazine and follow it up with an announcement to Illinois vocational agriculture instructors." M.H.

Educators Guide to Free Slidefilms. Educators Progress Service of Randolph, Wisconsin, has sent us a copy of the 8th annual edition (1956) of their Guide to Free Slidefilms. Some of the significant features of this edition, as given in the publisher's foreword, are:

> "31 of the filmstrips may be retained permanently by the borrower, without charge; each is indicated in the GUIDE.
> 90 of the 631 titles are new in the EIGHTH edition.
> 38 sets of slides are listed; 11 of these are new.
> 14 of the 94 sources in this edition are new this year.
> More than 40,000 frames, or miniature posters, are classified.
> Slidefilms and slides withdrawn during the past year have been depleted.
> For finger-tip reference each section is identified by color of paper."

The price of the guide is still $5.00, and our copy is available for review whenever you are in the office. It will be included in the listing we are now preparing and in the book display at our next vocational agriculture teachers conference. If you wish to purchase a copy, send your request direct to the publisher rather than to our office. M.H.

Rural Water Supply and Sanitation. Another book received since the last issue of the AIDS is "Rural Water Supply and Sanitation." The author is T. B. Wright, professor of agricultural engineering, Cornell University, Ithaca, N. Y. The publisher is John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. A letter from Mr. W. I. Richards of the Wiley Co. states:

> "Designed as a text for vocational agriculture courses, this completely rewritten book contains a wealth of practical, up-to-date information which also makes it particularly valuable as a reference work. It is divided into two parts: The first embraces water sources, and systems of treatment and disposal in homes and farms; the second gives practical solutions to fifteen typical and specific jobs encountered in installing and maintaining a rural water system"....

This publication, like others sent to us, is available for review whenever you are in the office. It will be included in the listing of books now being prepared by our office and in the display at the time of our next conference.

If interested, order from the publisher and not through our office.

M.H.

Pests of Stored Grain and Grain Products. The Burgess Publishing Co., of 426 South 6th Street, Minneapolis 15, Minnesota, has sent us a copy of their publication entitled "Pests of Stored Grain and Grain Products." The author is R. T. Colton, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture. The book is priced at $4.00. Some of the chapters are "Rodent and Bird Pests of Stored Grain"; "The Insect Pests of Stored Grain"; "Prevention and Control of Insect Infestation in Farm-Stored Grain"; "Detection of Insect Infestation"; "Fumigants and Fumigation"; "The Common Fumigants"; and "Protecting Stored Seed From Insect Attack." The publication contains more than 300 pages and more than 100 illustrations. Of course, our copy will be kept in our library where anyone who is interested can review it. It will be included in the listing of books which we hope to have ready for distribution before the end of the calendar year and in the book display at the June conference. If interested in securing a copy, send your request to the publisher and not to our office. M.H.

Agricultural Release Subscription List Closed for 1956-57. The subscription list for 1956-57 Agricultural Releases closed as of September 1. Sometime before September 10 each subscriber on our list will receive an announcement by first-class mail giving him an opportunity to cancel his subscription or to make necessary changes in address before the first releases are sent. M.H.

Calendar of Events. No distribution of the 1956-57 Calendar of Events has been made to date. Copies will be sent to all Agricultural Release subscribers for 1956-57 about September 15 in the first set of releases. We have fewer than 100 copies more than are needed for Agricultural Release subscribers. These extras are now available on a "first come, first served" basis. To pay packaging and mailing costs, please send 10 cents in stamps (or coin) for each copy ordered. This amount will be refunded in stamps if received after the supply is exhausted. Agricultural Release subscribers should not order on the basis of this announcement unless they wish more than the one copy that will be sent with their first releases. M.H.

Status of Sets of Crop and Weed Seeds. Our supply of 50 sets of crop and weed seeds referred to on page 10 of the August AIDS is exhausted. These and the sets distributed previously were prepared by Mr. Roy Swanson, vocational agriculture instructor, Thorp, Wisconsin. We understand that in about a month he will be able to make up a limited number (8) of additional sets. Those desiring sets should send their requests direct to Mr. Swanson. The prices will be the same as we charged, namely, $8.25 for the set of weeds and $5.25 for the crop seeds--both prices being f.o.b. Thorp, Wisconsin. M.H.

Subject-Matter Units, Shipment of and Error in Pricing. On September 7 shipments of Units 1002-1007 will be made on all advance orders. About September 21 a second shipment will be made. This will include Units 4006-4011 inclusive and possibly Unit 3001. (The sheet immediately following the index on page 18 of the August AIDS gives the titles of the units referred to.)

The listing of units in the August AIDS contained two errors in pages and prices. Unit 4009 contains 5 pages of text and 3 blank pages and should have been priced at $4\frac{1}{2}$ cents a copy for quantities rather than 3 cents. The same is true with regard to Unit 4010. M.H.

Tall(est) Stalk of Corn for Chicago Board of Trade Observatory. On page 8 of the August AIDS there was an announcement regarding the need for the tall(est) stalk of corn to use in a display in the observatory on top of the Chicago Board of Trade Building. Mr. Gallagher, manager of the observatory, is anxious to make the display this year. To avoid the inconvenience of sending a stalk that might not be as tall as some others, perhaps it would be advisable, if you know of an unusually tall stalk, to send Mr. Gallagher the height from the ground to the top, and he can then select the tallest one. The address is Mr. Sheridan Gallagher, Manager, Observatory, Chicago Board of Trade, Chicago, Illinois. M.H.

Error in Slidefilm Listing. In the list of slidefilms included in the August AIDS, the following corrections should be made:

Slidefilm No. 480 is available in single frame at 99 cents.

Single-frame prints of slidefilm No. 491 are not available. M.H.

Growing Profitable Alfalfa. A print of "Growing Profitable Alfalfa" was placed on display during the June Conference, together with information regarding the strip. Prints of this 42-frame color filmstrip are available in single frame at $1.00 each from the Middle West Soil Improvement Committee, 228 North LaSalle St., Chicago 1, Illinois. We understand that payment is to accompany orders, although copies can also be secured on a loan basis if you prefer that plan. The script includes pictures and text on the uses, management, utilization and fertilization of alfalfa. There are pictures illustrating the nutrient requirements, feed value, time of harvesting, methods of fertilization, seed-bed preparation, and the ten necessary steps to grow profitable alfalfa. A script has been prepared to accompany the print. If you are interested in ordering a print, please send your order to the address given and not to our office. M.H.

Meat and Milk Judging Contest. The meat and milk judging contest will be held at the Stock Pavilion at the University of Illinois on Saturday, September 29, starting at 10:00 a.m. DST. Registration will be between 9:00 and 10:00 a.m. For details of fees, rings to judge, etc., see your 1956 judging rules.

Boys and coaches participating in the contest will have an opportunity to get tickets for the afternoon U. of I. football game at 60 cents each. That game is between the Illini and California. W.H.W.

Suede Paper for Use on Flannelboards. We are indebted to John Behrens, former vocational agriculture teacher and now assistant extension editor, for most of this information.

Suede paper is available in light gray with a flock backing that can be used for making flannelgraphs. The flocking will adhere tightly to flannel and is much better suited than sandpaper or other devices. Lettering can be done on the gray backing, designs cut from the paper, pictures pasted to the paper, and the paper can be spray painted or roller coated with casein or rubber base paint and then lettered. In fact, the uses are limited only by the user's ingenuity.

The material comes in rolls 27 inches wide. We understand that the minimum order is 140 yards. If 25-50 teachers notify us within the next month that they would be interested in having Vocational Agriculture Service stock the material, we will do so. It would probably retail to schools at about 20 cents per yard, f.o.b. Urbana. Please do not place an order on the basis of this announcement, but notify us if you wish to have us stock the item. We will announce the final decision in the October AIDS. M.H.

Diseases of Fruit Crops. Another book added to our library since the August AIDS is "Diseases of Fruit Crops" by H. W. Anderson, Professor of Plant Pathology, University of Illinois. The publisher is the McGraw-Hill Book Co., Inc., 330 West 42nd Street, New York 36, N. Y. The price is $8.50. The preface states:

> "Information concerning fruit diseases of deciduous fruits in the United States is contained mainly in bulletins and circulars issued by the state experiment stations and the U. S. Department of Agriculture and in scattered articles in scientific journals. The only book published on this subject is now thirty-six years old and therefore does not include the many later contributions by workers in this field. It was felt that there was a pressing need for a comprehensive treatment of the subject which would be useful to research workers, teachers, and practicing horticulturists. The comprehensive experience of the author in research and practical field work has prompted this attempt to collect and evaluate the extensive but scattered information on the subject and to present it in a usable form."

Some of the chapters are: "Diseases of Pome Fruits"; "Diseases of Drupe or Stone Fruits"; "Diseases of Brambles"; "Diseases of Grapes"; "Diseases of Strawberries"; "Diseases of Gooseberries and Currants"; "Diseases of the Cranberry"; and "Diseases of the Blueberry." The book contains more than 500 pages and almost 100 illustrations.

The copy in our library is available for you to review any time you are in the office. It will be included in the listing that our office is now preparing and in the next book display at the time of our next June conference. Those wishing to order copies should send their orders direct to the publisher and not to our office. M.H.

August 16, 1956

PRICE LIST OF FEEDS[1]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.46
Corn, ground, bu.	1.53
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	63.00
Wheat bran, ton	50.00
Shorts and standard middlings, ton.	55.00
Flour middlings, ton.	60.00
Red Dog flour, ton.	61.00
Soybean oilmeal, ton.	72.00
Linseed meal (37% protein), ton	72.00
Cottonseed meal (43% protein), ton.	80.00
Gluten feed, ton.	52.00
Tankage, ton.	84.00
Blood meal, ton	145.00
Beef scrap, ton	85.00
Poultry bone, ton	82.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.73
Whole milk, cwt.	3.65
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	12.00
Cowpea hay) Add $5 per ton	8.00
Soybean hay) for baled hay.	8.00
Alfalfa hay) and straw.	12.00
Timothy hay)	10.00
Corn stover, ton.	10.00
Oat straw, ton.	8.00

Pasture Rates

Colts and calves, 6 to 12 months old, 4 cents a day
Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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VO-AG AIDS

Volume 15, Number 3

October 1956

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Farm Account Problem and Key for Use With Revised Illinois Farm Record Book. Mr. Herbst and some members of the Agricultural Economics Department have been working on the problem and key for use with the revised Farm Record Book. It now appears, however, that the material will not be completed and ready to duplicate for another month. Since we do not know the number of pages in either the problem or key and do not have information on other items that will affect the cost, we do not wish to accept orders at this time. The problem and key will be available in November, and the November AIDS will definitely state when orders can be filled and at what cost. M.H.

"A Handbook for Agricultural Students and Their Advisers." Assistant Dean C. D. Smith tells us that a copy of the 1956-57 Handbook for Agricultural Students and Their Advisers has been mailed to each vocational agriculture teacher in Illinois. If your copy has not arrived or does not arrive in the near future and you are interested in obtaining one, I suggest that you send your request to Dean Smith, 104 Mumford Hall, Urbana, Illinois. M.H.

Agricultural Release Shipments. The September shipment of Agricultural Releases was made on September 17 and the October shipment on September 29. Index cards for subject-matter items included in the September, October, and November issues will accompany the November releases. From then on, 3x5 subject-matter cards already made out that you will only need to place in your file will accompany all releases for the current year. (The deadline for Agricultural Release subscriptions for 1956-57 was September 1.) M.H.

Unit Shipments. On September 7 the first shipment of units was made to all who had placed advance orders. That shipment included Units 1002 to 1007, inclusive. On September 21 a second shipment was made. This shipment included Units 4006 to 4010, inclusive.

Each of the more than 270 shipments sent on September 21 was wrapped in corrugated cardboard. The package was then taped, wrapped with paper, and tied with string. We know of no practicable way to improve packaging of the units. Obviously if the shipments do not reach you in good condition, we assume that you will let us know. If, however, widespread damage is reported, we will probably have to change our plan of distribution. M.H.

"The Rumen Story." We understand that the Ralston Purina Company is willing to make available to the University of Illinois a copy of their motion picture entitled "The Rumen Story." When available, the print will probably be distributed from the Visual Aids Service, 713 1/2 South Wright Street, Champaign. The following information is from a folder describing the motion picture:

> "A mystery of animal nutrition has long been the complicated processes that take place inside the rumen of the cow, steer or sheep. These animals--known as ruminants--have not one, but four stomachs. As a result, they are possessed with the unique ability to digest roughages, which are vital to their diets....

> "In recognition of the knowledge gained in ruminant nutrition, the Ralston Purina Company has sponsored the filming of this amazing moving picture. In full pulsating color, this film was made by actually placing lights and a camera in the rumen through a 'window' in the side of the animal. Then while the actual digestive processes were taking place, they were recorded on film."

At present we do not know the charges on the film. If interested, you can perhaps get further information on cost and availability from the Visual Aids Service. M.H.

Calendar of Events for 1956-57. Our supply of the Calendar of Events for 1956-57 is exhausted. It was distributed with the first set of Agricultural Releases for the current school year, and the extra copies were announced in the September AIDS. Present plans are to distribute the 1957-58 Calendar of Events with the last (May) issue of Agricultural Releases. Remaining copies will then be made available at the time of the June Conference. M.H.

Forestry Scale Stick. Doctor Spaeth, head of the Forestry Department, has approved our making the following announcement:

> "The Department of Forestry of the University of Illinois has available a 'scale stick' which may be used to estimate the amount of lumber in a standing tree or in cut logs. The stick eliminates paper and pencil calculations except in special cases. Measurement of a standing tree is made by standing 66 feet from the tree, holding the stick in front of you toward the tree, and estimating the height. A reading is taken of the trunk diameter, and a table on the stick then gives you an estimate of the number of board feet in the tree. To estimate the lumber in a cut log, you measure the length and the diameter of the log with the stick. The number of board feet in the log is then given in a table on the stick.

You can get a "scale stick" and accompanying instructions by sending $1.00 to the Department of Forestry, 220 Mumford Hall, University of Illinois, Urbana, Illinois. E.L.K.

Social Security Information. During the month we received three pamphlets pertaining to the Social Security Law as amended in 1956. They are entitled "The Rights of Farm People," "The Rights of Disabled People," and "The Benefits for Women." We understand that interested teachers can get copies of these publications from local and district representatives of the Social Security Administration. M.H.

Crop and Weed Seeds. In the September AIDS we announced that our supply of 50 sets of crop and weed seeds was exhausted but that Mr. Roy Swanson, vocational agriculture instructor, Thorp, Wisconsin, had eight additional sets that he would sell at the same price we had charged. Mr. Swanson was the one who provided the seeds we previously distributed. The last letter we received indicated that he still had a few of the sets. Those interested may find it to their advantage to order direct from Mr. Swanson and as soon as possible. Prices are $5.25 for the crop seeds and $8.25 for the weed seeds--both prices f.o.b. Thorp, Wisconsin. M.H.

"Guide to Free Curriculum Materials." We have received a copy of the 13th edition of "Elementary Teachers Guide to Free Curriculum Materials." According to the foreword, some of the significant features of the 1956 edition are:

> "Many materials which may be bought are available free to users of the GUIDE if the GUIDE is mentioned in your request. This information is included in each respective annotation. Were you to purchase these items without benefit of this GUIDE, the purchase price of these items alone would exceed the total cost of the GUIDE.
>
> "Many new sources have been added, 109 in this edition, to make the total 468.
>
> "The SOURCE INDEX has been set in elite type, thereby reducing the number of pages required for that index by one-half, to hold the GUIDE to handy brief-case size.
>
> "For ready reference, each section of the GUIDE is identified by color of paper."

The Guide contains a table of contents, title index, subject index, and source index. The price is $5.50. Teachers are welcome to review the copy in our library. Those interested in ordering should send their requests to Educators Progress Service, Randolph, Wisconsin. M.H.

Suede Paper for Use on Flannel Boards. In the September issue we mentioned the possibility of stocking suede paper for use on flannel boards if 25 to 50 teachers were interested. We have decided to stock this material even though only 11 persons have indicated an interest. The 11 represented four states other than Illinois.

We are now willing to accept orders and will fill them as soon as the paper arrives. We expect it by November 1 or soon after. Minimum quantity will be one yard, and the price will be 25 cents a yard, f.o.b. Urbana. If you do not have an open account with us, please remember our policy of requesting that payment accompany orders totaling less than $5.00, and also be sure to include sufficient postage. M.H.

Grain Is Food - Keep It Clean. We understand that a poster entitled "Grain Is Food - Keep It Clean" is to be sent to each vocational agriculture teacher in Illinois sometime during the next month. This probably will be rolled and accompanied by a covering letter from Dr. Kammlade. If we understand correctly, additional copies are not available. M.H.

One-Day Courses in Farm Surveying. To date 13 sections have sent us requests for one-day courses in farm surveying using the new kits of surveying equipment that Vocational Agriculture Service is providing for use on a loan basis. We have not acknowledged these requests individually but have filed them in the order in which they were received. The equipment for seven kits is now all on hand, but we are still waiting on completion of the subject-matter materials to accompany the kits. These have been promised to us soon, and just as soon as we are sure of the date they will be ready, we will begin scheduling courses. I.W.M.

Extramural Graduate Courses in Agricultural Engineering.

Agricultural Engineering 331. Several groups have inquired about the possibility of offering Agricultural Engineering 331, "Function, Application, Adjustment, and Management of Farm Machinery" in their area during the calendar year 1957. This course is now being given at Yorkville, and it can be offered at one location per year, beginning in April and ending in October. During this period, intermittent meetings are held according to the growing season. That is, planting machines are taken up at planting time; harvesting machines at harvest time, etc. The course carries 1/2 unit of graduate credit.

At present the request of longest standing and largest number comes from Section 15. It therefore appears that the course may be offered in the area of Carrollton. If other groups whose requests are not on file wish to be considered, they should notify us soon, as a decision will be made in the near future. This decision will be announced in subsequent issues of VO-AG AIDS. J.W.M.

Agricultural Engineering 355. Professor Ralph C. Hay, who recently returned from a two-year assignment in India, informs us that he is willing to again offer Agricultural Engineering 355, Advanced Soil and Water Conservation Practices, on an extramural basis during the spring semester 1956-57. This course was taught at Marseilles, Carrollton, and Stronghurst before Professor Hay left for India.

The course will consist of eight evening sessions plus four all-day-Saturday field exercises and will carry 1/2 unit of credit. The exact schedule will be worked out in consultation with the group involved. Minimum enrollment is 15.

Interested groups should contact Vocational Agriculture Service with a list of names of those who would enroll and a suggested location. Please do so promptly, as a decision must be reached in a few weeks. J.W.M.

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September 20, 1956

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.46
Corn, ground, bu.	1.53
Oats, bu.	.62
Oats, ground, bu.	.69
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	63.00
Wheat bran, ton	48.00
Shorts and standard middlings, ton.	50.00
Flour middlings, ton.	56.00
Red Dog flour, ton.	57.00
Soybean oilmeal, ton.	65.00
Linseed meal (37% protein), ton	71.00
Cottonseed meal (43% protein), ton.	74.00
Gluten feed, ton.	52.00
Tankage, ton.	90.00
Blood meal, ton	150.00
Beef scrap, ton	91.00
Poultry bone, ton	87.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.75
Whole milk, cwt.	3.75
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	13.00
Cowpea hay) Add $5 per ton	8.00
Soybean hay) for baled hay.	8.00
Alfalfa hay) and straw.	13.00
Timothy hay)	11.00
Corn stover, ton.	10.00
Oat straw, ton.	8.00

Pasture Rates

Colts and calves, 6 to 12 months old, 4 cents a day
Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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Volume 15, Number 4

November 1956

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

New Publications Available to Teachers. The following publications, which have appeared during the past year, are available from the Division of Agricultural Education, 103 Gregory Hall, Urbana:

Annual Report, Vocational Agriculture Department, Neoga High School, 1954-55. 9 p. Mimeo.

Report of Conference of Advisory Committees for Agricultural Education in the Public Schools, Farm and Home Week, 1956. 19 p. Mimeo.

A Tentative Proposal of Minimal Local Policy for Agricultural Education. 7 p. Mimeo.

Factors Involved in Vocational Choices of Students Enrolled in Agricultural Curricula, University of Illinois. 18 p. Mimeo.

First Jobs of Vocational Agriculture Graduates of Illinois High Schools, Classes of 1955. 12 p. Mimeo.

Graduate Program for Agricultural Educators at the University of Illinois. 12 p.

In addition, a publication of Dr. L. J. Phipps, Soils, Source Materials for Teaching Young and Adult Farmer Courses, is available from the Office of Field Services, College of Education, 309 Gregory Hall, Urbana. H.M.H.

Motion Pictures Relating to Vocational Agriculture. Mr. Jewel A. Jenne, vocational agriculture instructor at Newman, Illinois, has again compiled material dealing with motion pictures relating to vocational agriculture. The collection makes up 89 mimeographed pages giving the title of the motion picture, a brief description, the running time, and the source. Vocational Agriculture Service has duplicated this material, and a copy is being sent to each Agricultural Release subscriber with the November releases. Approximately 50 copies will remain after that distribution is made. So long as the supply lasts, copies will be available at 20 cents each, f.o.b. Urbana. Postage should not exceed another 8 cents. If ordering, please remember our policy of requesting that payment accompany orders totaling less than $5.00 unless you have an open account. Stamps are acceptable for amounts of $1.00 or less. M.H.

Farm Structures Day, November 29. J. T. Clayton, assistant professor of agricultural engineering, has given us some information regarding Farm Structures Day to be held on November 29. Registration is at 8:30 a.m., with adjournment at 4:00 p.m. Some of the topics are "Meeting Farm Grain Storage Needs," "Trussed Roofs for Farm Buildings," and "Farm House Planning." There will be a demonstration dealing with fabrication of timber trusses. While you may not be able to attend, since this meeting is on a week day, it is possible that you may wish to call the program to the attention of builder and dealer friends. Copies of the program are available from the Department of Agricultural Engineering.

There is a fee of $5.00, which covers registration, noon luncheon, and car sticker to permit parking in University lots. If interested in additional details, write to J. T. Clayton, Department of Agricultural Engineering, University of Illinois, Urbana. M.H.

Bred Ewe Sale--December 8, 1956. We are indebted to Professor Garrigus, head of the sheep division, for the following information:

> "The annual bred ewe sale of the Illinois Purebred Sheep Breeders' Association will be held in the Stock Pavilion of the University of Illinois on December 8, 1956. The sifting of sale sheep will begin at 9:30 a.m. with Professor A. J. Dyer, Animal Husbandry Department, University of Missouri, Columbia, Missouri, passing judgment. Sale will start promptly at 1:00 p.m. This sale is the 'show window' of many of our best Illinois flocks. It is an educational opportunity and a pleasure to meet and visit with the good sheepmen who attend. One of the objectives of this association is to encourage good sheep production by juniors. The members of the association, by becoming members, have pledged themselves to be helpful to all who are interested in sheep. They have a reputation for being so.
>
> "Catalogs are being mailed to vo-ag instructors and to farm advisers. Others can be obtained on request to IPSBA at 110 Stock Pavilion, Urbana." M.H.

New Publication. One new publication has been called to our attention during the month. It is Bulletin No. 602, entitled "Highest Return Farming Systems for Tama and Muscatine Soils." Copies are not being sent to Agricultural Release subscribers because the publication probably would be of only limited use. A few teachers may wish copies; if so, they can be secured in the usual way. M.H.

Exchange of Copies of Illinois Farm Record Book. The August AIDS included a statement dealing with exchange of copies of the Illinois Farm Record Book. The article stated that copies of the previous edition could be exchanged for copies of the new book and that vocational agriculture teachers should make such exchanges through Vocational Agriculture Service. Of course, only unused copies can be exchanged.

Vocational Agriculture Service does not wish to continue this exchange program indefinitely, Agricultural Economics would also probably appreciate having it completed as soon as possible. Consequently, we are suggesting that any exchanges that are yet to be made be completed before January 1, 1957. M.H.

Agriculture Short Course Scholarships. The following information is from a letter sent to all vocational agriculture teachers in Illinois:

> "The trustees of the Illinois Foundation FFA have authorized twenty-five $50 scholarships, allowing one to each section of the state for the purpose of attending the University of Illinois 1956 winter short course in agriculture. To be eligible to attend the short course, an applicant must be eighteen years of age or have graduated from high school. To be eligible for this scholarship, the applicant must be an active member of the FFA."

If for some reason you did not receive this information and are interested in having a copy and application blanks, please send your request to Illinois Foundation, Future Farmers of America, 405 Centennial Building, Springfield, Illinois. M.H.

Pole Barn Clinics. Information regarding pole barn clinics available to vocational agriculture teachers in Illinois is included in the November Agricultural Releases. Teachers who are interested in this information but who do not subscribe to Agricultural Releases can undoubtedly get it from teachers in their sections who are subscribers. M.H.

Subject-Matter Units 3001, 1001 to 1007, 4001 to 4011. Copies of Unit 3001, "Oxy-Acetylene Welding," will be mailed soon after November 1 to those who placed advance orders. Instead of making the shipment on a given date as we have in the past, we will probably extend it over approximately a week. We hope the result will be more satisfactory handling on the part of local postal authorities. All shipments of advance orders of this unit should be completed by November 10. If you do not receive your copies within a reasonable time, please let us know.

Unit 1001 and Units 4001 to 4005 were announced last school year. The two shipments already made this year to those who placed advance orders included Units 1002 to 1007 in the first shipment and Units 4006 to 4011 in the second shipment. A sheet listing the titles and prices of units available November 1, 1956, is included just ahead of the index in this issue. M.H.

"Planning a Farm Shop Layout." An 8 1/2 x 11" publication entitled "Planning a Farm Shop Layout" is now available from the Coordinator's Office, Barrow Hall, Athens, Georgia. Copies are 75 cents each, and payment is to accompany orders.

This is only one of several teaching aids available from the source indicated. Others include "Understanding Electrical Terms," "Computing the Cost of Electrical Service," "Planning the Farm Home Wiring System," "Maintaining the Farm Wiring and Lighting System," "Selecting Farm Electric Motors," "Planning and Building Farm Fences," and "Planning Farm Water Systems." Several slidefilms are also available from the same source. If you are interested in further details regarding any of the items, we suggest that you write to the address given and ask for a list of publications and filmstrips. M.H.

Problem and Key for Illinois Farm Record Book. Copies of the problem for use with the revised Illinois Farm Record Book are now available. A complimentary copy was included with the November releases. Copies of the teacher's key for use with the problem are also available. Copies of the problem are 25 cents each, prepaid, for quantities of 1 to 5, or 10 cents per copy, f.o.b. Urbana, for 6 or more copies. Copies of the key are 50 cents each. The cost of the key is rather high because charges must be recovered from a very limited number of copies. If we could depend on selling 500 copies, the charge could be reduced by at least half.

If ordering, please remember our policy of requesting that payment accompany orders totaling less than $5.00 unless you have an open account with Vocational Agriculture Service as a result of subscribing to Agricultural Releases for 1956-57 or having placed an advance order for units. M.H.

"Band Seeding to Higher Profit." Mr. C. E. Trunkey of the Middle West Soil Improvement Committee stopped in our office during the month to give us a complimentary copy of their single-frame color film strip entitled "Band Seeding to Higher Profit." He has also given us the following information regarding this item:

> "BAND SEEDING TO HIGHER PROFIT, a 35mm color single frame film strip has just been announced by the Middle West Soil Improvement Committee, 228 N. LaSalle, Chicago 1, Illinois. A print of the film strip can be ordered by writing to the Committee. The cost is $1.00 for print and script.
>
> "The film strip is designed to help introduce the concept of this new method in meadow crop culture, its origin at Ohio State University in 1949 and subsequent development at other agricultural colleges. The script gives complete explanation of all pictures showing such things as origin, advantages, seeding applications, and a step by step procedure in converting present grain drills.
>
> "Band seeding involves the controlled placement of grass and legume seed in rows directly above, but not in contact with the fertilizer drill bands laid down by the grain drill. Its principle is to give all grass and legume seedlings the full benefit of the fertilizer starter effect and make them more competitive with the small grain which results in a better meadow seeding."

Those interested in securing a print should send their order and payment direct to the address given rather than to this office. M.H.

Filing Supplies. The policy regarding Illinois filing materials is being changed. To this time they have been available only to those who have had the special work in use of the materials. Effective immediately they are available to anyone desiring them at a cost of $5.00 per set, f.o.b. Urbana, Illinois. Extra cards will be 25 cents per hundred, f.o.b. Urbana, regardless of type or color. Distribution of filing materials or cards on a free basis is hereby discontinued. M.H.

National Farm-City Week. The second annual National Farm-City Week will be observed from November 16 to 22. This activity was first sponsored by Kiwanis International but has now been broadened to include participation by many other groups. Both the NVATA and FFA have lent support. A small brochure outlining suggestions for participation is enclosed. I hope you will take advantage of this opportunity to improve rural-urban relations as you have done so well during past National FFA Week observances. Local service clubs, chambers of commerce, 4-H Clubs, Boy Scouts, farm bureaus and other groups can be expected to work with you on this program. A folder regarding National Farm-City Week is enclosed with the November AIDS sent to all vocational agriculture teachers in Illinois. VEB/MH

Covers for Subject-Matter Units. Covers are available for all of the units in Series 2 issued to date except Unit 3001. Thus we have covers for Units 1001 to 1007 and 4001 to 4011, inclusive. They are 2 cents each, f.o.b. Urbana, regardless of quantity ordered. If ordering, please remember our policy of requesting that payment accompany orders totaling less than $5.00 unless you have an open account with us. M.H.

PRACTICAL POULTRY MANAGEMENT. Through the courtesy of John Wiley & Sons, we have received a copy of PRACTICAL POULTRY MANAGEMENT. The authors are James E. Rice, late professor and formerly head of the Department of Poultry Husbandry at Cornell University, and H. E. Botsford, professor emeritus of Cornell University. This 6th edition of the book is priced at $4.24. It contains about 450 pages, more than 200 illustrations, and 24 chapters, some of which are Brooding and Feeding Chickens; Preventing and Treating Chick Diseases, Parasites, and Vices; Caring for Young Stock Past the Brooding Period; Principles of Housing Poultry; Feeding Laying and Breeding Stock; Using Artificial Illumination; Preparing Eggs and Poultry Meat for Market; Keeping Records of the Flock; Culling; Selecting; Treating Diseases and Combating Parasites, Pests, and Vices.

Our copy is available for review by those who visit our office and, of course, will be included in the book display that we assume will be held at our coming June Conference. If interested, please send your request direct to John Wiley & Sons, Inc., 440 Fourth Avenue, New York 16, N. Y., attention Andrew H. Neilly, Jr. M.H.

FARM POULTRY PRODUCTION; APPROVED PRACTICES IN FARM MANAGEMENT; A MORE EFFECTIVE FFA. We are indebted to the Interstate Printing Company of Danville, Illinois for copies of the three publications referred to. The announcement that accompanied FARM POULTRY PRODUCTION stated that:

> "This 1956 edition of FARM POULTRY PRODUCTION is full of the 'know how' that will help you succeed with your poultry enterprise. Written for those who are interested in good practical knowledge of poultry production, this book has been completely revised and brought up to date by Mr. Norris E. Wilson, formerly of the Poultry Department at the University of California, and Dr. Leslie E. Card, Professor of Animal Science at the University of Illinois.
>
> "FARM POULTRY PRODUCTION is an ideal text for those who have the important task of teaching young people the principles of good poultry management. It answers such questions as:
>
> How many eggs should a hen lay?
> Why should you cull? When and how?
> What are the most important factors in selecting layers?
> How do you select good breeder stock?
> Is there much income from breeders? and others."

FARM POULTRY PRODUCTION contains 300 pages, 114 illustrations, and is priced at $4.00.

The authors of APPROVED PRACTICES IN FARM MANAGEMENT are I. F. Hall and W. P. Mortenson of the University of Wisconsin. This publication, which is spiral bound and contains 228 pages and 58 illustrations, is listed at $2.00 less educational discounts. The following statement accompanied the book:

> "The job of the farm manager is to combine his land, labor and capital and to carry out farm practices that will bring the greatest net return over a period of years. In this book -- APPROVED PRACTICES IN FARM MANAGEMENT -- Dr. Mortenson and Prof. Hall have set forth these principles and practices of good farm organization, planning, management, operation and soil conservation which are used by successful farmers today."

"APPROVED PRACTICES IN FARM MANAGEMENT is one of a series of 'Approved Practices' books available from The Interstate. Others in this series include: Poultry Production, Forage Crops, Small Grains and Potatoes, Soil Conservation, Beef Cattle Production, Dairy Cattle Production, Sheep Production, Swine Production, Feeds and Feeding, and Pasture Management."

The author of A MORE EFFECTIVE FFA is Stanley Wall of the University of Kentucky. This publication, which contains 200 pages and 60 illustrations, is priced at $2.95. This description accompanied the publication:

"Written primarily for use by FFA members and their advisers as a handy reference to help with their FFA work, this book tells how to organize, build, and maintain A MORE EFFECTIVE FFA. Wise use of it should aid Future Farmers in planning, carrying out and evaluating a successful FFA program."

Copies of these three publications are available for review by interested teachers whenever they are in our office. They also will be included in the book display at the 1957 June Conference. M.H.

SUBJECT MATTER UNITS FROM VOCATIONAL AGRICULTURE SERVICE - NOV. 1, 1956

None of the units in series I (1-146) remain. Nineteen units in the current series (series II) are now available. Those are--

1001 - Caring for the Sheep Flock During Breeding and Gestation
1-4 copies 20¢ each postpaid--5 or more copies 5¢ each f.o.b. Urbana

1002 - Artificial Insemination
1-4 copies 20¢ each postpaid--5 or more copies 6¢ each f.o.b. Urbana

1003 - Selecting and Purchasing Sheep
1-4 copies 20¢ each postpaid--5 or more copies 6¢ each f.o.b. Urbana

1004 - Diseases of Sheep
1-4 copies 20¢ each postpaid--5 or more copies 8¢ each f.o.b. Urbana

1005 - Internal Parasites of Sheep
1-4 copies 20¢ each postpaid--5 or more copies 5 1/2¢ each f.o.b. Urbana

1006 - External Parasites of Sheep
1-4 copies 20¢ each postpaid--5 or more copies 5 1/2¢ each f.o.b. Urbana

1007 - Capons and Caponizing
1-4 copies 20¢ each postpaid--5 or more copies 5 1/2¢ each f.o.b. Urbana

3001 - Oxy-Acetylene Welding
1-4 copies 35¢ each postpaid--5 or more copies 17 1/2¢ each f.o.b. Urbana

4001 - Collecting and Preparing Soil Samples for Testing
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4002 - Testing Soils for Acidity
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4003 - Testing Soils for Phosphorus
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4004 - Testing Soils for Potassium
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4005 - Nature of Soil Acidity and Major Plant Nutrients
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4006 - Using Limestone to Correct Soil Acidity
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4007 - Using Phosphorus Fertilizers
1-4 copies 10¢ each postpaid--5 or more copies 3¢ each f.o.b. Urbana

4008 - Using Potassium Fertilizers
1-4 copies 10¢ each postpaid--5 or more copies 2 1/2¢ each f.o.b. Urbana

4009 - Using Nitrogen Fertilizers
1-4 copies 10¢ each postpaid--5 or more copies 4 1/2¢ each f.o.b. Urbana

4010 - Probable Responses from Use of Fertilizers
1-4 copies 10¢ each postpaid--5 or more copies 4 1/2¢ each f.o.b. Urbana

4011 - Hunger Signs--A Guide to Soil Improvement
1-4 copies 20¢ each postpaid--5 or more copies 13¢ each f.o.b. Urbana

Covers are available for any of the foregoing units, except 3001, at a cost of 2¢ each f.o.b. Urbana, regardless of the quantity ordered.

Payment, including postage where prices are f.o.b. Urbana, should accompany all orders totaling less that $5 unless the school or individual has an open account with us because of being an Agricultural Releases subscriber or because of having placed an advance order for units for 1956-57. Stamps will be accepted for amounts of $1 or less.

4012

4013

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October 19, 1956

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Wheat bran, ton	48.00
Shorts and standard middlings, ton.	48.00
Flour middlings, ton.	55.00
Red Dog flour, ton.	56.00
Soybean oilmeal, ton.	64.00
Linseed meal (37% protein), ton	68.00
Cottonseed meal (43% protein), ton.	73.00
Gluten feed, ton.	52.00
Tankage, ton.	84.00
Blood meal, ton	140.00
Beef scrap, ton	84.00
Poultry bone, ton	90.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.76
Whole milk, cwt.	3.80
Corn silage, ton.	12.00
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Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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Volume 15, Number 5

December 1956

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University of Illinois Beef Cattle Breeders and Herdsmen's Short Course, December 27 and 28, 1956. This event should again be of particular interest to purebred breeders and to upperclassmen in your classes who have beef cattle projects. Men with commercial cow herds would also find many of the panel discussions and the skills session very helpful. Highlights will be panel discussions on feeding beef cattle, diseases and parasites, and selling purebred beef cattle; and an opportunity to judge or evaluate live steers of various types and degrees of finish and follow them up in the cooler the next day to evaluate their carcasses.

A special inducement is offered to juniors (under 21) in reduction of the registration fee, which includes a steak dinner ticket, from $5.00 to $3.00.

A copy of the program will be mailed separately, and a card will be included for reservations. Although reservations are actually not essential, they would be helpful in arranging for the program. A.L.N.-M.H.

Plan Price Change. According to word received from the Department of Agricultural Engineering, the new price for all plans is 25 cents a sheet. The old price was 15 cents as quoted in the various catalogs and circulars for the plans as well as for the Set 1 and Set 2 Plan Cards available from Vocational Agriculture Service. J.W.M.

Units 4012, 4013. Between December 1 and 10, a mailing will be sent to all who have placed advance orders for units. It will include copies of Units 4012 entitled "Maintaining Organic Matter in the Soil" and 4013 entitled "Animal Manures on the Farm." Those who do not have advance orders for units and are interested in obtaining copies, or those who have advance orders and are interested in additional copies, can obtain copies of 4012 at 10 cents each, postpaid, for 1 to 4 copies, or 4 1/2 cents each for 5 or more, f.o.b. Urbana. Copies of 4013 are 20 cents each, postpaid, for 1 to 4 copies, or 5 cents each for 5 or more, f.o.b. Urbana. Covers are not available for either of the two units. M.H.

"Towards World Understanding." Educators Progress Service of Randolph, Wisconsin, has sent us a copy of a two-page release entitled "Towards World Understanding." The author is John Guy Fowlkes, educational adviser to the Ministry of Education, Government of India, 1955-56, and professor of education, University of Wisconsin, on leave 1954-56. The information that accompanied the release states: "We are having this article printed in booklet form and copies of it will be supplied to schools and libraries, without cost, on request." If interested in securing a copy, send your request direct to Educators Progress Service, Randolph, Wisconsin. M.H.

MECHANICS OF AGRICULTURE, Notes and Workbook. Through the thoughtfulness of the Burgess Publishing Company, 426 South Sixth Street, Minneapolis, Minnesota, we now have a copy of their publication entitled MECHANICS OF AGRICULTURE. The author is Paul E. Johnson, assistant professor of agricultural engineering, Purdue University, Lafayette, Indiana. The preface states:

> "These notes have been prepared to serve as a text in Mechanics of Agriculture, which is a survey course in the field of Agricultural Engineering. It makes no attempt to go into detail in any one area but rather to give the student a perspective of a few of the problems in Agricultural Engineering."

This revised edition carries a copyright date of 1956 and lists at $3.50. Some of the division headings are "Water Wells," "Farm Water Systems," "Applied Mechanics Around the Farm," "Wiring, Splicing and Soldering," "Calculations Related to Farm Structures," and "Mapping and Describing Land." The publication is spiral bound, 8 1/2" x 11" and contains approximately 135 pages with numerous illustrations. If interested, you may review the copy we have in our library, which will be included in our next book display, or can get a copy direct from the publisher.

M.H.

Slide Films--New, Restocked. Through cooperation with the University of Wisconsin, we have been able to develop two new slidefilms dealing with alfalfa. Both are in color. One, No. 743, entitled "Alfalfa Culture and Management," contains 33 frames. The other, No. 744, entitled "Alfalfa Insects," contains 27 frames. Each is available in double frame only at $2.25 each, f.o.b. Urbana.

We have also restocked two color slidefilms that were distributed recently. They are not revisions, but are additional prints of films that have not been available for some months in double frame. One is D122, entitled "Identification of Breeds of Chickens." The price in double frame is $2.83 per print. The other is D494, entitled "Color in the Farm Shop." Prints of that in double frame are $2.10. Both prices are f.o.b. Urbana. M.H.

Lincoln Arc Welding Foundation Awards. We assume that by this time you have probably received the announcement and booklet containing the rules for the current 7,000 Arc Welding Competition Awards for high school students living on farms or ranches. The closing date is June 17, 1957. Vocational Agriculture Service has a copy of the booklet that is available to those interested in the information. If, however, you did not obtain a copy and are interested in doing so, you may write direct to James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio, Attention A. F. Davis or C. G. Herbruck. M.H.

Crop and Weed Seeds. In previous issues of the AIDS we have announced that Roy A. Swanson, vocational agriculture instructor at Thorp, Wisconsin, could supply a limited number of sets of crop and weed seeds similar to those distributed by Vocational Agriculture Service following the last June Conference. Mr. Swanson tells us that he has only four sets left. The prices are the same as quoted for sets distributed by Vocational Agriculture Service, and orders should be sent direct to Mr. Swanson. M.H.

Tentative Dates for Vocational Agriculture Activities. The following dates are tentative but may be of help to some of you who wish to make preliminary plans:

FFA Convention - Springfield - June 5, 6, 7

Vo-Ag Teachers Conference - Urbana,- June 11, 12, 13

State Judging Contest - Urbana - Week of June 17 (probably June 18, 19)

M.H.

District Meetings in Agronomy. On November 7 a letter was sent to all vocational agriculture teachers in Illinois calling attention to district meetings in agronomy to be held during November and December. Meetings that are still to be held are as follows:

Edwardsville	St. John's Methodist Church	December 5
Carbondale	SIU Training Center	December 6
Carmi	Farm Bureau	December 7
Effingham	Benwood Hotel	December 12

All meetings will start at 9:30 a.m. M.H.

"Beyond Teaching." We are indebted to John Behrens, visual aids specialist, for the following information:

> "'Beyond Teaching,' is a 30-minute color film produced by the University of Illinois and recently placed in circulation by the Audio-Visual Aids Film Library of the University of Illinois.
>
> "The film is the story of the University's role in research and its activities beyond the responsibilities of the classroom. Approximately one-fourth of the film is devoted to activities of the College of Agriculture in research for agriculture improvement. The film is a superb presentation. Color, narration, and dramatic photography have been combined to tell an impressive story.
>
> "This film could be very effectively used with adult groups, such as home and farm bureau meetings, adult evening schools, P.T.A. meetings or other groups where an informative and entertaining program is desired. Bookings may be secured from the University of Illinois Audio-Visual Aids Service, 725 South Wright Street, Champaign, Illinois. Cost of booking is return postage."
>
> J.H.B.-M.H.

Publication and Filmstrip List From Southern Association of Agricultural Engineering and Vocational Agriculture. In the December Agricultural Releases we are including a copy of the "Publication and Filmstrip List" from the Southern Association of Agricultural Engineering and Vocational Agriculture, located at Athens, Georgia. We will probably have 15 or 20 lists left after distribution to Agricultural Release subscribers. If you wish a copy, notify our office and we will send one if we still have a supply. M.H.

C. A. Kincaid, Farm Field Engineer, Portland Cement Association will accept dates for adult evening schools that can be fitted into his schedule during the winter of 1956-57. Illustrated lectures are available on the following subjects: Making Quality Concrete for Farm Improvements; General Farm Construction With Concrete; Building With Concrete Masonry; Constructing Dry Concrete Floors; Constructing Concrete Feeding Floors and Paved Barn Yards; Constructing Rural Fire Cisterns; and Constructing Horizontal Silos Above and Below Grade.

If interested, select the subjects you want (no more than two) and contact Mr. Kincaid directly. His address is 510 South Chicago Avenue, Champaign, Illinois. C.A.K.-M.H.

AGRICULTURE IN OUR LIVES. This book was received too late to be listed in the November AIDS. The publisher is the Interstate Printing Company, Danville, Illinois, and the author is Dr. G. P. Deyoe. The description states that it contains 638 pages and 485 illustrations, and the price is $4.40. It also gives the following information:

> "...a brand new text designed for use in an exploratory survey or general course in agriculture. The main purpose of this book is to acquaint beginning students with the importance of agriculture, to show them the opportunities that exist in farming and related occupations, and to give them an appreciation of rural life."

A partial list of the chapters is as follows:

Life in the Country	Marketing the Farm Products
Raising Foods for the Family	Getting Acquainted with Farm Crops
The Mechanical Age in Farming	Improving Farm Crops
Insects--Friends or Foes?	Weeds as Plant Enemy Number One
Managing the Farm Business	Cooperatives in Rural Life

If you are interested in securing a copy, send your request direct to the publisher rather than to our office. Our copy is available for review whenever you are in the office and will be included in our next book display. M.H.

"The Rival World." We had an opportunity to see this motion picture film and understand that a print will probably be available later through Visual Aids Service here at the University. For the present, however, we suggest ordering from the Shell Oil Company, 624 South Michigan Avenue, Chicago 5, Illinois. The following is some information released regarding the film:

> "The award-winning motion picture, 'The Rival World,' tells of the never-ending struggle for survival between man and the disease-bearing, crop-destroying enemy insects who people this rival world. These ravaging pests bring death to half the men who die. They destroy one-third of all the food man grows. It is a toll mankind cannot afford.

> "'The Rival World' tells how science is meeting this threat and shows some of the many methods used in fighting enemy insects. It shows the disease carriers, mosquito, tsetse and the like, as well as the grim results of their activities--malaria, sleeping sickness, elephantiasis and blindness."

Several additional films are also available from the Shell Oil Company. If you write regarding "The Rival World," you may wish to ask for a listing of other films. We understand that there is no charge except return postage on any of their films. M.H.

New Bulletin. Apparently only one new publication has been released by the College of Agriculture since the last issue of the AIDS. It is bulletin No. 603 entitled "A Comparison of Two Log-Grading Systems." Because of the limited number that would probably be interested in this particular publication, copies are not being sent to Agricultural Release subscribers. Those interested in obtaining a copy can secure one in the ordinary manner. M.H.

Tamworth Sale. The following information was received through the thoughtfulness of W. C. Shinkle, secretary-treasurer of the Illinois Tamworth Breeders' Association:

> "The Illinois Tamworth Breeders' Association has planned a bred gilt sale, which will be held at the Bloomington Livestock Sales Pavilion - on U. S. 51, 2 miles south of Bloomington, Illinois, February 16, 1957.
>
> "At this sale, we plan to give a FREE bred gilt to the winning judging team in FFA and also a FREE bred gilt to the winning 4-H judging team. In addition to this, a plaque will go to the high 'individual' in each team, and to each high team. The FFA and 4-H judging will start at 9:00 a.m., Saturday, February 16, 1957. Teams from every high school in the State of Illinois are welcome to compete. One of these FREE bred gilts is sired by a Certified Meat Sire and will be bred to boar sired by a Certified Meat Sire." M.H.

Shop Guide in Farm Mechanics. This spiral bound 8 1/2" x 11" publication is available from the Interstate Printing Company at Danville, Illinois. The copy we have is, of course, available for review by interested teachers and will be included in the next book display that we make. The publication contains 78 illustrations, 138 pages, and lists at $2.95. The following information is taken from a sheet that accompanied our copy:

> "Here, in easy-to-read easy-to-follow form, is a detailed course outline designed for use in teaching the basic skills of metal work. These basic skills have been drawn from a variety of farm shop exercises in arc welding, oxy-acetylene welding, forging, sheet metal, tool grinding, drilling, and machine tool operation."

"Here are just a few of its many advantages:

Suggests ways of setting up a program to fit the needs of the average high school shop.

Serves as a demonstration outline for the instructor.

Shows the student exactly what to do in a step-by-step outline to which he can refer while doing the job.

Lists the necessary tools and materials required by each job.

Furnishes study questions for the student, so that instructor can be sure reading assignments are done.

Eliminates the need for note-taking during demonstrations.

Offers a flexible program that can be adjusted to fit any well-equipped shop.

Covers all the basic metal work skills, without frills or lost motion.

Can be used in parts or as a whole, in continuous units or as a part of integrated instruction."

M.H.

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IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE DESK OF THE PRESIDENT:

At this time of year much personal satisfaction is often derived from service to others. Those in our line of work should be especially gratified, for ours is a year-round opportunity to gain these rewards.

As the Christmas season approaches, may it bring to all the Vo-Ag families much joy, and may the year of 1957 be filled with success.

* * * * * *

By the time you receive this news sheet, the AVA and NVATA Convention will be over. It is hoped that many of our Ag teachers from Illinois were able to attend at least part of the convention. Possibly we can report some interesting facts pertaining to the convention in the next news sheet.

* * * * * *

Reports are that the district leadership training meetings were well received by the teachers in the state. This program was presented by Mr. Bergener and his assistants to student teachers from 30 states gathered at the National FFA Convention. Dr. Krebs substituted for Mr. Espenschied. It was exceptionally well received by teacher trainers and student teachers in this group.

* * * * * *

I was at a meeting in St. Charles recently for pilot centers in that section of the state using the new record books. Mr. Robert Liehr, chairman of the record revision committee, was in charge of the meeting. Mr. Liehr deserves our thanks for the unusual amount of time and effort he is putting into this project. His interest in it is most sincere. Our thanks also go to other members of the committee, Mr. Heiderscheid, Mr. Espenschied, Mr. Guthrie, Dr. Deyoe, and Mr. Herbst.

* * * * * *

Your president and his wife attended the IAA Convention in Chicago last week. We attended a banquet Wednesday night for the speaker, guests, and their wives. I represented our association at the speakers' table. Dr. David Henry, president of the University of Illinois, was the main speaker. Also attending the banquet and the following meeting were four Ag teachers and their wives. These four men received their 25-year service awards from the Illinois Agricultural

Association. They were Robert Briggs of Dakota, Gilbert Clem of Gurnee, Burl Hocking of Robinson, and E. J. Thompson of Harrisburg. Mr. J. E. Hill, director of vocational education, was also a guest. We wish to thank the Illinois Agricultural Association for their interest in us and for their recognition of the work we are doing in the interest of agriculture. They were most gracious hosts and certainly made us welcome.

* * * * * *

We regret to report the passing of Mr. A. J. Andrews on November 4. Our deepest sympathy is extended to his wife and family.

* * * * * *

News Items from Section 13

The sectional land judging contest was held at Mt. Sterling on October 24. Rushville had high team score.

The sectional grain show and grain judging contest was held at Barry. The Quincy team had high judging score. Rushville was second and Pittsfield third.

Deam Simms of Liberty was elected vice president of the Mississippi Valley Educational Association at the divisional meeting in October in Quincy.

Three Ag teachers from Section 13, Brakenseik of Quincy, Fisher of Pittsfield, and Simms of Liberty, plan to attend the AVA in St. Louis.

Wanted: 10 complete old units (1-126). Will pay for them.
Contact George Irvine, Tonica, Illinois.

* * * * * *

Keep sending the news!

NEWS AND NOTES FROM THE AGRICULTURAL TEACHER TRAINING DIVISIONS

From AGRICULTURAL EDUCATION:

Meeting of Allerton House Committee on Agriculture. Eighteen members of the committee and subcommittees on agriculture of the Allerton House Conference on Education met at the University on November 9 and 10. The group agreed that first drafts of all reports would be ready for review when the committee meets again on January 4, 1957. It hopes that a final report can be adopted at a May meeting and that a report may be made to the entire conference in the fall of 1957.

The committee has become increasingly concerned about the teaching related to agriculture that is done, or might be done, in the non-agricultural subjects in the elementary schools and the high schools. It sees a possibility of reaching the 90 percent of students who do not enroll in vocational agriculture with agricultural education appropriate to their needs. It has made intensive studies of part-time and low-income farmers and less intensive studies of many other phases of agricultural education in the public schools. H.M.H.

Placement Report. As of November 12, there were three vacancies in positions in vocational agriculture in Illinois. No candidates were then available, but one returning serviceman will become available in December. Those who wish to be considered for positions next year should bring up to date now their credentials in the Placement Office. Prompt service by that office cannot be guaranteed if action is delayed until next spring. Requests to have credentials activated may be directed to Dr. A. H. Krebs, Division of Agricultural Education, 103 Gregory Hall, or to Dr. Dale Baughman, Teacher Placement Office, 200 Gregory Hall, Urbana, Illinois. H.M.H.

NEWS AND NOTES FROM THE AGRICULTURAL TEACHER TRAINING DIVISION

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November 20, 1956

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.22
Corn, ground, bu.	1.29
Oats, bu.	.71
Oats, ground, bu.	.78
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	55.00
Wheat bran, ton	52.00
Shorts and standard middlings, ton.	53.00
Flour middlings, ton.	60.00
Red Dog flour, ton.	61.00
Soybean oilmeal, ton.	67.00
Linseed meal (37% protein), ton	71.00
Cottonseed meal (43% protein), ton.	76.00
Gluten feed, ton.	54.00
Tankage, ton.	80.00
Blood meal, ton	140.00
Beef scrap, ton	80.00
Poultry bone, ton	83.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.77
Whole milk, cwt.	3.85
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	10.00
Soybean hay) for baled hay.	10.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	10.00
Oat straw, ton.	8.00

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
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VO-AG AIDS

Volume 15, Number 6

January 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

"So You're Thinking of Raising Chickens--Broilers--Turkeys." The author, A. W. Jasper, has sent us a copy of the publication entitled "So You're Thinking of Raising Chickens--Broilers--Turkeys." Accompanying it was a release from the Mounder Press, Box 11, Mt. Morris, Illinois. That announcement carried the following statement from the "World's Poultry Science Journal":

> "There is a saying 'Good Things Come in Small Packages.' For the person who is thinking of going into the poultry business this book, while small in size (34 pages), is packed with good advice. If this book was made a must for everyone thinking about raising chickens for eggs or broilers or raising turkeys there would probably be less unhappy people in this world. In a very concentrated, easy to read way it puts together what the person dreaming about retiring to the small place in the country or the young person bitten by the poultry bug should read before taking the leap."

We understand that single copies of this 34-page 6 x 9 publication are $1.00 postpaid, 10 to 25 copies are 85 cents a copy, and 26 to 50 copies are 75 cents a copy. Of course, our copy is available for review by those visiting our office. If interested, send your order direct to the Mounder Press, Box 11, Mt. Morris, Illinois. M.H.

Income Tax Information. Mr. Herbst has received a letter from Mr. H. J. White, District Director of Internal Revenue, which states:

> "Commissioner of Internal Revenue Russel C. Harrington issued a notice under date of September 4, 1956, to Superintendents and Principals of schools announcing the availability of our 'Federal Income Tax Course.' A copy of this notice is enclosed for your information.
>
> "The new kits have not yet been received from the printer and accordingly I am unable to forward one of them to you at this time. Superintendents and Principals of schools who have ordered the kits will, however, be receiving them in the near future."

The letter also suggests that we might wish to carry the following information regarding materials that are available:

> "Internal Revenue Service 'Federal Income Tax Course' Materials Available Through Superintendents and Principals of High Schools. Our office has been advised that the Commissioner of Interval Revenue has notified high school Superintendents and Principals about the availability of the Internal Revenue Service 'Federal Income Tax Course.' Vocational Agriculture teachers wishing these materials should check with their school Superintendents and Principals to determine whether they have been ordered." M.H.

New Units. Between January 1 and 10, Units 2001 and 4014 will be sent to all of those who placed advance orders. Unit 2001 is entitled "Farm Planning for Long-Time Profits." One to four copies are priced at 10 cents each postpaid; five or more copies are 4 1/2 cents each, f.o.b. Urbana. Unit 4014 is entitled "Improving Permanent Pastures." One to four copies are priced at 20 cents each postpaid; five or more copies are 6 cents each, f.o.b. Urbana. If ordering, please remember our policy of requesting that payment accompany orders totaling less than $5.00 unless the school has an open account with Vocational Agriculture Service. M.H.

Illinois Swine Herd Improvement Association Information. We have a letter from Mr. Frederic B. Hoppin, Executive Secretary of the Illinois Swine Herd Improvement Association mentioning two items in which some of our vocational agriculture teachers in Illinois might be interested. One deals with junior membership in the Illinois Swine Herd Improvement Association for members of vocational agriculture departments. For further information in that regard, we suggest that you write direct to Mr. Hoppin at Lincoln, Illinois. The other item is the annual meeting of the ISHIA, which is to be held on January 10 at Feenhan Hall in Somonauk beginning at 10:00 a.m. M.H.

New Publications. Three publications have been called to our attention since the last issue of the AIDS. One is North Central Regional Extension Publication No. 5, entitled "Farm Families and Social Security." Another is Publication No. 225 of the Treasury Department Internal Revenue Service, entitled "1956 Farmers' Tax Guide." A third is Illinois circular No. 766, entitled "Managing Soil Bank Acres." Copies of all three publications are being included with the January Agricultural Releases, which will probably be mailed from here the 28th of December.

We should have from 25 to 50 more copies of each of the first two publications listed than are needed to fill Agricultural Release subscriptions. They will be distributed to anyone requesting them so long as the supply will permit. Orders will, of necessity, be limited to a single copy of each publication and, if ordering, please send 10 cents in stamps or coin to pay postage and packaging costs. Copies of Circular 766 are available on the same basis as are other Illinois publications. M.H.

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December 20, 1956

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.21
Corn, ground, bu.	1.28
Oats, bu.	.73
Oats, ground, bu.	.80
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Hominy feed, ton.	56.00
Wheat bran, ton	55.00
Shorts and standard middlings, ton.	55.00
Flour middlings, ton.	61.00
Red Dog flour, ton.	62.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	69.00
Cottonseed meal (43% protein), ton.	79.00
Gluten feed, ton.	56.00
Tankage, ton.	80.00
Blood meal, ton	140.00
Beef scrap, ton	79.00
Poultry bone, ton	82.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.78
Whole milk, cwt.	3.90
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	10.00
Soybean hay) for baled hay.	10.00
Alfalfa hay) and straw.	17.00
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Corn stover, ton.	10.00
Oat straw, ton.	8.00

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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VO-AG AIDS

Volume 15, Number 7

February 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

Ninth Illinois Custom Spray Operators' Training School--Summaries of Presentations. Copies of this release have been included with the February Agricultural Releases already mailed from here. We have a few extra copies which will be distributed on request so long as our supply permits. Copies are 50 cents each, f.o.b. Urbana. If you do not have an open account with us, please remember our policy of requesting that payment accompany orders totaling less than $5.00. We are willing to accept stamps for amounts of $1.00 or less.

Agricultural Engineering 331. Tentative arrangements have been made to offer Agricultural Engineering 331, Function, Application, Adjustment, and Management of Farm Machinery, at Carrollton during the spring, summer, and early fall of 1957. Final arrangements depend on an enrollment of 15 or more.

Class meetings will be held on Friday evenings and Saturday mornings of selected weeks. The meetings will be spread over the entire growing season. Thus field adjustments can be made on all important machines at the time each is being used.

The first meeting will be held about the middle of April, depending on when the ground is fit to plow in the Carrollton area. Dates for other class meetings will be planned in cooperation with those who enroll.

The course carries 1/2 unit of graduate credit or 3 hours of undergraduate. Professors Pickard, Shawl, and Bowers will be in charge.

Letters have already been sent to teachers in Section 15 and, in fact, to practically all of the teachers within a 50-mile radius of Carrollton. Cards were enclosed in those letters to return if the individual addressed was interested in attending the course. If any others are interested, we suggest that they notify our office at once. If the minimum enrollment is obtained at Carrollton, the course will, of course, be held there; otherwise it may be moved to one of two other areas that are actively seeking it. Soon after February 15 a final decision will be reached, and those who have returned cards or let our office know of their interest will be notified accordingly. M.H.

Illinois Tamworth Breeders' Association Sale and Judging. In the November AIDS we announced the Tamworth Breeders' Association Sale and Judging. The following information is for the benefit of those who have overlooked that announcement or forgotten it:

> "The Illinois Tamworth Breeders' Association has planned a bred gilt sale, which will be held at the Bloomington Livestock Sales Pavilion - on U. S. 51, 2 miles south of Bloomington, Illinois, February 16, 1957.
>
> "At this sale, we plan to give a FREE bred gilt to the winning judging team in FFA and also a FREE bred gilt to the winning 4-H judging team. In addition, a plaque will go to the high 'individual' in each team, and to each high team. The FFA and 4-H judging will start at 9:00 a.m., Saturday, February 16, 1957. Teams from every high school in the State of Illinois are welcome to compete. One of these FREE bred gilts is sired by a Certified Meat Sire and will be bred to boar sired by a Certified Meat Sire."

We recently received a note from Mr. Walker C. Shinkle, secretary-treasurer of the Tamworth Breeders' Association saying that this 4-H and FFA Judging Show has been sanctioned by the Illinois High School Association. M.H.

Dairy Calf Sale. We are indebted to Professor J. G. Cash for calling our attention to the Dairy Calf Sale, Saturday, February 23, in the Stock Pavilion, Urbana, Illinois. As before, purchases will be limited to FFA and 4-H members. We understand that about 100 calves of the following breeds will be offered: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey.

The sale will start promptly at 11:00 a.m. We understand that copies of the catalog have been or will be mailed to vocational agriculture teachers as soon as they are available. If you need additional copies or other information, write to Professor J. G. Cash, 338 Animal Sciences Laboratory, Urbana. M.H.

New Cash and Crop-Share-Cash Leases. We understand that these two leases have recently been revised. Copies of the cash lease are now available, and copies of the crop-share-cash lease should be available by February 1. The information we have states:

> "The new leases, like the livestock-share lease prepared last year, will be distributed with only one lease in each envelope. In addition to the lease, each envelope will contain a leaflet of suggestions for completing and using the lease form. A charge of ten cents will be made for single copies or for orders of nine or less. Orders for ten or more will be billed at eight cents a copy."

We understand that copies of the Illinois livestock-share lease, as revised last year, may be obtained at the same price quoted for the other two.

If you order direct from Agricultural Economics, include payment in cash, stamps, or checks. If you order through our office, you need not include payment if you have an open account with us or if orders for additional items bring the total to $5.00 or more. M.H.

Information Regarding Soil Testing Laboratories. Professor A. U. Thor of the Agronomy Soil Testing Laboratory has given us the following information:

> "Soil Testing laboratories desiring approval to make soil tests for ASC purposes (government payments) should correspond directly with W. E. Upp, ASC Office, Room 232, U.S.P.O. and Court House, Springfield, Illinois.
>
> "The agronomy soil testing laboratory does not approve commercial laboratories, but trains technicians and checks samples sent in monthly by each ASC approved laboratory. The training fee is $10, and the charge for checking the six samples which each testing laboratory is required to send in each month is $3 per month (or an annual fee of $20).
>
> "Vocational agriculture departments are not discouraged from making soil tests, but when ASC payment is desired on the basis of soil tests, such tests must be made by a laboratory approved by the ASC office at Springfield, Illinois." E.L.K.

Soil Testing Forms. Professor A. U. Thor has again called our attention to the fact that rising costs and insufficient funds make it no longer possible to continue free distribution of soil test report forms. The following schedule of prices is now effective:

Form No.	Description	Price per 1,000
52418	Soil Test Report and Recommendation (yellow triplicate)	$30.00
51022	Soil Test Report (white triplicate)	25.00
M397	Directions for Collecting Soil Samples	7.50
H105	Soil Test Maps (4 pages)	15.00

He also requests that the minimum order be $7.50 and that checks be made payable to the University of Illinois. Of course, you can also place your order through Vocational Agriculture Service on an open account at the prices and under the conditions mentioned above. M.H.

New Units from Vocational Agriculture Service. Between February 1 and 10 we will ship two units to those who placed advanced orders. Titles and prices follow:

4015 - Growing Red Clover
1-4 copies, 20¢ each postpaid; 5 or more copies, 8 1/2¢ each f.o.b. Urbana

4016 - Growing Ladino Clover
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each f.o.b. Urbana M.H.

FFA Roadside Signs. In January a notice was sent to each vocational agriculture department in Illinois about the availability of additional sets of FFA roadside signs. The letter stated that 79 sets would be available for distribution this year. To date (January 24) 26 sets have been requested and assigned. We already have a limited number of requests on hand for a second set, and these requests will be considered after March 1 if sets are still available at that time.

Schools wishing to place an order for either a first or second set of signs should do so in the near future. Sorry, but we cannot accept out-of-state orders for these signs. M.H.

Handbook for Vegetable Growers. Through the courtesy of John Wiley & Sons, Inc., we have received a copy of the "Handbook for Vegetable Growers." The copyright date is 1957, and the author is J. E. Knott, professor of vegetable crops at the University of California. The book contains sections on plant growing and planting, soils and fertilizers, water, pest control, harvesting and storage, and seed production. It has more than 200 pages and retails at $3.95.

Our copy is available for teachers who wish to review it in the office, and it will be included in the book display at the conference. If you wish a copy or copies for your own use, write direct to John Wiley & Sons, Inc., 440 Fourth Avenue, New York 6, New York. M.H.

Civil Engineering Course. Examination A. U. This has been published for college
by the Post Wood Clamping Works and Manufacturers Supply Co. in Chicago [illegible]
machine form its method of civil war remedy there. The following [illegible]
picture in new edition:

Item No.	Item Description	Price per Unit
C-6/3	Cast Steel Point and Reinforcement (Use Form C Lightning)	$1.30
[illegible]	Soil Test Injector Pointer Replacement	$2.00
[illegible]	Tire Chains for Caterpillar Skid Dumpers	$.50
[illegible]	Rubber Hose (4 Piece)	$.60

We also recommend that the minimum order be $2.50 so that items may be read
promptly by our Distributor of Parts only. Of course, you can also purchase from
through [illegible] Equipment Co. on their more than 40 other Parts and Service
Stations [illegible] Machines.

M.H.

New Light Duty Wood Crankcase Scraper. Between Pennsylvania and
Ohio [illegible] are [illegible] Wood Planed Finished Veneer. Tables and Price
Lists:

#241 - Portable Tool Chests
[illegible] Chests
[illegible]

#244 - [illegible] Oil Vats
[illegible] Steel Portable; [illegible] Case Covers, $.[illegible]
[illegible]

F.

[illegible] Engine. It [illegible] a valve [illegible] to [illegible] the
[illegible] Type [illegible] of [illegible] Clearance [illegible] Valve [illegible]
valve [illegible]. The Service [illegible] Valve [illegible] Portable [illegible]
[illegible] [illegible] Steel Portable [illegible] Valve [illegible] Engine [illegible]
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Educators Guide to Free Tapes, Scripts and Transcriptions - 1957. We have received the third edition of this guide and will include it in our book display at the annual conference. The accompanying information states:

> "This edition is completely new and is devoted exclusively to free tapes, free scripts, and free transcriptions. It is a complete, up-to-date, annotated schedule of audio aids and scripts--bringing you the compiled information of these FREE educational materials, all at your finger-tips, within the covers of a single book.
>
> "This THIRD edition lists, classifies, and provides complete information on sources, availability, and contents of 57 free tapes, 177 free scripts, and 96 free transcriptions, a total of 330 valuable materials. Additionally, it gives the busy, alert educator and librarian information on the nature, purposes, and use of these materials not to be found in any other single source."

Copies of the guide are $5.75 and may be obtained from Educators Progress Service, Box 497, Randolph, Wisconsin. M.H.

Farm Business Analysis Meetings. In answer to requests from teachers for assistance in interpreting the farm business analysis reports and other related materials, D. F. Wilken, state leader of Farm Bureau Farm Mangement fieldmen, has given us the following information:

> "In answer to these requests, the assistant state leaders of Farm Bureau Farm Management fieldmen and I could make ourselves available on a limited basis during 1957 to appear before several sectional or district meetings if asked to do so. We would allot approximately five days for this assistance the first year. If these meetings proved successful, more might be held later.
>
> "Time of Meeting. Any time from April 1 to December 1, but summer months preferable.
>
> "Type of Meeting. Lecture and discussion on use of farm records and farm business analysis reports in farm planning, possibly combined with a demonstration of on-the-farm usage of these materials. This would include discussion on interpretation of the importance of various farm efficiency factors used in reports and analysis. These factors are the tools with which a good home manager must operate.
>
> "Time Required. A one-day meeting lasting four to six hours is suggested, although more time could be used if deemed necessary."

Groups of teachers interested in these meetings should contact Vocational Agriculture Service and send a list of interested teachers. Along with this information should be a suggested meeting place, several alternative dates, and time of meeting. Enrollments will be made in line with our usual policy for one-day courses.

J.H.H.

Information Wanted. Mr. Howard Clark of the Clark Microanalytical Laboratory in Urbana has asked us to try to locate the address of a Gilbert Loitz. They received a letter from Mr. Loitz, but his address was not given on the letterhead and cannot be obtained from the postmark on the envelope. Mr. Clark thinks that Mr. Loitz may be a vocational agriculture student. He does not wish to ignore the letter and has asked us to make this announcement in the hope that someone may know the address. If so, send it either to our office or direct to Mr. Clark at 104 1/2 W. Main Street, Urbana, Illinois. M.H.

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January 21, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.21
Corn, ground, bu.	1.28
Oats, bu.	.73
Oats, ground, bu.	.80
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Hominy feed, ton.	56.00
Wheat bran, ton	57.00
Shorts and standard middlings, ton.	57.00
Flour middlings, ton.	63.00
Red Dog flour, ton.	64.00
Soybean oilmeal, ton.	69.00
Linseed meal (37% protein), ton	71.00
Cottonseed meal (43% protein), ton.	76.00
Gluten feed, ton.	58.00
Tankage, ton.	81.00
Blood meal, ton	140.00
Beef scrap, ton	76.00
Poultry bone, ton	82.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.78
Whole milk, cwt.	3.90
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	12.00
Oat straw, ton.	10.00

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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VO-AG AIDS

Volume 15, Number 8

March 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

Federal Land Bank Scholarships. Dean Smith has received Federal Land Bank scholarship application forms from Fred Hadfield and Robert Polo with no return addresses. Will the vo-ag teachers who recognize these names please write to C. D. Smith, 104 Mumford Hall, Urbana, giving him the proper addresses.

C.D.S.-M.H.

Approval of Soil Testing Laboratories. Professor A. U. Thor of the Agronomy Soil Testing Laboratory has given us the following information:

> "Soil testing laboratories desiring approval to make soil tests for ASC purposes (government payments) should correspond directly with W. E. Upp, ASC Office, Room 232, U.S.P.O. and Court House, Springfield, Illinois.
>
> "The agronomy soil testing laboratory does not approve commercial laboratories, but trains technicians and checks samples sent in monthly by each ASC approved laboratory. The training fee is $10, and the charge for checking the six samples which each testing laboratory is required to send in each month is $3 per month (or an annual fee of $20).
>
> "Vocational agriculture departments are not discouraged from making soil tests, but when ASC payment is desired on the basis of soil tests, such tests must be made by a laboratory approved by the ASC office at Springfield, Illinois." E.L.K.

New Publications. Since the last issue of the AIDS, seven new publications have become available from the College of Agriculture. They are Bulletin 604 (NC Regional Publication 27), "Farm Inheritance Laws in Other Countries"; Bulletin 605, "1956 Illinois Corn Tests"; Bulletin 606, "Experimental Corn Hybrids Tested in 1956"; Bulletin 608, "An Analysis of...Local Road Unit Costs in Illinois"; Circular 765,"Potassium--When to Use It, Where to Use It, How to Use It"; Circular 767, "Pest Control in Commercial Fruit Plantings"; and Circular 768, "Controlling Corn Borers in Field Corn with Insecticides."

Copies of Bulletin 605 and Circulars 765, 767, and 768 were sent to Agricultural Release subscribers with their March releases. The others referred to were not sent primarily because we thought they would not be of general interest. Illinois teachers of vocational agriculture wishing to secure copies for review or for their department should follow the same procedure as for getting other similar publications from the College of Agriculture. M.H.

Dairy Sale. Mr. V. M. Bokemeier of Freeport Senior High School has given us the following announcement:

> "A committee of Purebred Dairy Breeders in Northwestern Illinois, the Extension Service, and vo-ag teachers have made plans to hold a calf sale for 4-H and FFA members. The sale is to be held March 16 at the County Highway Building in Freeport, starting at 12:00 noon. The Ayrshire, Brown Swiss, Guernsey, and Holstein breeds will be represented, the largest number being Holsteins. The calves sold will be primarily senior calves born after July 1956 and of top quality."

V.M.B.-M.H.

Workshops in Soils. Vocational Agriculture Service, in cooperation with the Agronomy Department and Soil Conservation Service, is offering one-day soils workshops on "Preparation and Use of Materials for Teaching Soils." Emphasis will be placed on preparation of full-scale and miniature soil monoliths (profiles) and use of these and other aids in teaching soils. Part of the day will be spent in the field, and materials will be available for teachers to prepare materials of local interest. Lloyd McKenzie of soil survey extension is tentatively reserving the first three Saturdays of April (April 6, 13, and 20) for these workshops. Sections desiring to hold a workshop on one of these days should send their request to Vocational Agriculture Service. E.L.K.

Bait for Pest Control Campaigns. The U. S. Fish and Wildlife Service is in a position to help FFA chapters promote rat-baiting activities as one phase of the clean-grain promotion program. G. C. Oderkirk of that service has announced the availability of prepared fumarin bait packed in one-pound bags, 30 pounds per carton, at a nonprofit price of $10.50 per carton. Prepared bait is available for group activities from the U.S. Fish and Wildlife Service, Agricultural Hall, Purdue University, Lafayette, Indiana. Over 22,000 pounds of bait have been distributed by Illinois groups since July 1, 1956. Publicity material, visual aids, and copies of a "Rodent Control Guide" may be obtained by writing Mr. Oderkirk's office. E.L.K.

Judging Contest Information. There has been at least one change in the plans for the judging contest from information that has been released previously. That change involves the finals of the Dairy Judging Division. That final contest will be held at 1:30 p.m. DST, Monday, August 12, 1957, at the Illinois State Fair Grounds, Springfield, Illinois. This change, of course, will affect only schools having teams in the final contest. The regular judging contest will be held at the University on Tuesday, June 18, and Wednesday, June 19. The finals in each of the divisions other than dairy will be held at the University on Wednesday, June 26. The meat and milk judging contests will be held on the same date.

It is hoped that the announcements and rules regarding the 1957 contest can be completed and mailed not later than the middle of March. M.H.

Crop and Weed Seeds. Mr. Roy Swanson, vocational agriculture instructor at Thorp, Wisconsin, recently informed us that he still had two sets of crop and weed seeds similar to those previously distributed to Illinois teachers. The charge is the same as the charge Vocational Agriculture Service has made previously, namely, $5.25 for crop seeds and $8.25 for weed seeds. I think he prefers to sell the crop and weed seeds as one set. Teachers wishing either of the two remaining sets should contact Mr. Swanson at their early convenience. M.H.

FFA Roadside Signs. As of February 22, 56 of the 79 available sets of FFA signs have been assigned. In addition, we have 11 requests on hand for second sets that will not be filled until after March 1. We cannot predict at this time whether any of the remaining 12 sets will still be available by the time you receive this issue of the AIDS. If you are interested in ordering either a first or second set, and have not done so, we suggest that you order at the earliest possible date. M.H.

Agricultural Engineering 331. Sufficient replies have been received to justify offering Agricultural Engineering 331 at Carrollton commencing in April. This course is entitled "Function, Application, Adjustment, and Management of Farm Machinery." It is probable that it will be held on Friday evenings and Saturday mornings or possibly all day Saturday if those concerned prefer. The subject of the first meeting will be "Plow Adjustment." The exact date is still indefinite, as it will depend on weather and soil conditions in the area.

Teachers interested in this course who have not sent their names to Vocational Agriculture Service should do so if they wish to receive further announcements as they are sent out. M.H.

Book Display at June Conference. As in the past, a book display will be part of our June Conference for Vocational Agriculture Teachers. We will follow the same general procedure that we followed last year and hold the display in our vo-ag shop and storage building on Florida Avenue. The books will be displayed under general headings, and all books that we have received since last year will be on a separate table.

To make it more convenient for vocational agriculture teachers who will be attending the conference, we probably will arrange for our building on Florida Avenue to be open from 7:00 a.m. to 6:00 p.m. throughout the days of the conference. Further details will be announced either before or during the conference. M.H.

Sheep Shearing Schools. We are indebted to Professor G. R. Carlisle for the following information:

"Four sheep shearing schools are planned for Illinois this year. Dates are:

April 2 and 3 - Dixon Springs Experiment Station
April 4 and 5 - Dixon Springs Experiment Station
April 8 and 9 - Fulton County
April 11 and 12 - LaSalle County

"Enrollments should be made through the farm adviser in your county. Enrollment fees are $1.00 per person. Only boys who are big and strong enough to handle sheep should be sent to these schools. Boys who come should realize shearing is work and not just a way to get out of school.

"Enrollments will be taken on a first come, first serve basis, and not over two boys per school will be accepted unless there are not enough enrollments to fill the schools. If you have more than two boys, list their names in order of preference and an alternate list will be compiled.

"Enrollments should be in the hands of the livestock specialists at the College of Agriculture no later than 10 days before the first day of the school." G.R.C.:W.H.W.

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February 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.16
Corn, ground, bu.	1.23
Oats, bu.	.66
Oats, ground, bu.	.73
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Hominy feed, ton.	56.00
Wheat bran, ton	54.00
Shorts and standard middlings, ton.	54.00
Flour middlings, ton.	60.00
Red Dog flour, ton.	61.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	63.00
Cottonseed meal (43% protein), ton.	75.00
Gluten feed, ton.	58.00
Tankage, ton.	89.00
Blood meal, ton	150.00
Beef scrap, ton	80.00
Poultry bone, ton	85.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.73
Whole milk, cwt.	3.65
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	12.00
Oat straw, ton.	10.00

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

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VO-AG AIDS

Volume 15, Number 9

April 1957

Issued jointly by
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Special Notice to Milk Producers. The following information was given to us by J. G. Cash, professor of dairy science:

The results of three nation-wide surveys made since 1954 by the Food and Drug Administration to determine the antibiotic content of fluid milk indicate that some dairymen are evidently careless about holding milk off the market for a period of 72 hours following treatment for mastitis by intramammary infusion of compounds containing antibiotics. Dairymen who ship milk containing antibiotics not only are affecting the quality of the milk of other shippers on their market, but are also making themselves liable to prosecution.

We feel that this problem should be called to the attention of every farmer who is selling milk or cream. We should appreciate it if you would discuss it at your evening schools and with your students. We are, however, somewhat concerned about the adverse effect any general publicity might have on the milk-consuming public. J.G.C.-M.H.

Efficient Corn Growing Packets. The following excerpt is from a letter from Loren R. Johnson, agronomist with the Spencer Chemical Company, Dwight Building, Kansas City 5, Missouri:

"Packets announcing our 1957 Efficient Corn Growing Program were recently mailed to all vocational agriculture teachers in your state. We would like to call to your attention some of the highlights of this program.

"The handbook, 'Five Tested Steps to Maximum Profit Corn' is to be used as an aid in teaching corn production. The 35 mm. colored filmstrip which supplements the handbook is still available to those teachers who do not already have one.

"We have been very pleased with the past participation in the program but a little disappointed at times in the number of boys actually completing their records. We feel that this may be due in part to the fact that many teachers, and students alike, feel that the program is a yield contest. Therefore, if the student did not attain a sizable yield increase on his new-practice plot, he would not complete the record sheet and send us his results. This year we have listed the factors to be considered in evaluating the participant's program on page 11 of the blue 'Record Book.' We hope this will clear up any past misunderstanding as to how the program is judged." M.H.

Steps to Your Career in Agricultural Engineering. Enclosed with each copy of the AIDS sent to vocational agriculture teachers in Illinois are five copies of a brochure, "Steps to Your Career in Agricultural Engineering" for your use in counseling with students who may be considering agricultural engineering as a career. Please contact the Department of Agricultural Engineering at the University of Illinois if you have questions. You are always welcome to visit the department and bring students who are interested. J.W.M.

FFA Roadside Signs. The last of the 79 sets of FFA roadside signs were assigned on March 4. On that date we had approximately 20 requests from schools for second sets. We were able to fill only eight of these requests. In view of the foregoing, may we suggest that you please do not order sets this year. M.H.

New Publications. Two new publications have come to our attention since the last issue of the AIDS. One is Bulletin 609 entitled "Field Crop Costs and Returns, 1948 - 1954. Copies were sent with the April Agricultural Releases. Others interested can obtain a copy or copies in the regular manner.

The second is Regional Extension Publication No. 4, "Credit as a Tool for the Agricultural Producer." Copies were also sent with the April Agricultural Releases. That supply was obtained from Agricultural Economics, but we understand that additional copies probably will not be available. Further, it is our understanding that the Information Office does not have copies for distribution. Consequently, those who are not Agricultural Release subscribers will probably not be able to get the publication. The one possibility is that out-of-state readers might be able to obtain copies from their own North Central Land-Grant College. M.H.

Mimeograph - "Is Dairying Likely to Be a Profitable Enterprise Twenty-Five Years From Now?" A single copy of this mimeograph was included with the April Agricultural Releases. It was prepared by Dr. Roland W. Bartlett, and we understand that additional copies may be obtained from the Department of Agricultural Economics, 305 Mumford Hall, Urbana. J.H.H.

Agronomy Spring and Summer Schedule of Experiment Field Meetings. The following dates have come to our attention regarding experiment field meetings for spring and summer. As in the past, vocational agriculture teachers, their students, and others they serve will be welcome to attend any of these meetings.

Date	Field	County
May 9	Brownstown	Fayette
May 27	Enfield	White
May 28	Ewing	Franklin
May 29	Toledo	Cumberland
June 3	Raleigh	Saline
June 4	West Salem	Edwards
June 4	Carbondale	Jackson
June 10	Newton	Jasper
June 11	Carlinville	Macoupin
June 12	Hartsburg	Logan
June 13	Minonk	Woodford
June 14	McNabb	Marshall-Putnam
June 18	Carthage	Hancock
June 19	Aledo	Mercer
June 20	Dixon	Lee
July 11	DeKalb	DeKalb

Fall Meetings

Date	Field	County
August 23	Oblong	Crawford
August 29	Newton	Jasper
September 4	Brownstown	Fayette
September 6	Toledo	Cumberland
September 9	Clayton	Adams
September 10	Oquawka	Henderson
September 11	Kewanee	Henry
September 12	Lebanon	St. Clair
September 13	Carbondale	Jackson
September 17	Dixon	Lee
September 18	Mt. Morris	Ogle
September 19	Elwood & Joliet	Will

M.H.

Judging Contest Rules - 1957. Rules for the annual Vocational Agriculture Judging Contest were mailed from our office on March 12. Copies were sent to all vocational agriculture teachers. If for some reason you failed to receive your copy or you are interested in having one, please let us know. M.H.

Subject-Matter Units. Sometime before April 10 we expect to ship four new units to those who placed advance orders. Copies are available for immediate distribution, but those who have placed advance orders should not order unless they wish additional copies. The four units are 1008 - Testing Milk for Butterfat - 1-4 copies, 20¢ each postpaid; 5 or more, 5¢ each f.o.b. Urbana. 2002 - Making an Inventory of Farm Resources - 1-4 copies, 25¢ each postpaid; 5 or more, 11-1/2¢ each f.o.b. Urbana. 3003 - Wiring the Farmstead for Electricity - 1-4 copies, 40¢ each postpaid; 5 or more, 25¢ each f.o.b. Urbana. 4017 - Growing Sweet Clover - 1-4 copies, 20¢ each postpaid; 5 or more, 8¢ each f.o.b. Urbana.

M.H.

Foreign Employment for Young Top Agriculturists. The International Cooperation Administration (ICA) is planning to feed into its overseas staff a limited number of carefully selected individuals who are somewhat younger and have less experience than the agricultural technicians usually employed for overseas assignments.

The general qualifications will call for individuals in the age range of 25 to 40 years (also a few 21-28) with undergraduate degrees, appropriate qualifying experience in subject-matter fields, and willing to serve at any foreign post to which they may be assigned. Post-graduate training will compensate for some work experience. Salary range - $5,100 to $7,400 ($4,300-$5,000 for those 21-28), depending upon education and experience. Certain allowances will also be paid. Appointments will be for three years. An initial period of service in Washington, D.C., will include orientation, language training, and subject-matter training.

Continuous employment of all individuals who prove satisfactory is contemplated.

Interested individuals are invited to write or see R. C. Ross, Associate Dean, or H. L. Sharp, Assistant to the Dean, College of Agriculture, 104 Mumford Hall, Urbana, for further details. R.C.R.-M.H.

Opportunities in Growing Canning Crops. Through the thoughtfulness of Professor Oebker, we are able to include the following announcement: "The following canning companies in Illinois are interested in working with young people who are interested in a project on growing vegetables for processing. This is an excellent opportunity for your students to learn more about the production of canning crops, to develop a profitable project, and to find out what job opportunities there are in the field of processing. Also, the National Canners Association, Illinois Canners Association, and many canners are offering awards for outstanding projects.

"If you have any students who are interested in growing canning crops, please have them contact one of the men in charge of the youth program listed below.

"Company and Plant Locations	In Charge	Vegetables Canned
California Packing Corp.		
DeKalb	Alvin Koritz and Richard Wood	2,3,5,6
Mendota	Harold Ebbinghaus and George Person	
Rochelle	Ward Wood and Merle Haselton	
Campbell Soup Company 2550 W. 35th St. Chicago	Joe Zikmund	1,4
Green Giant Company		
Lanark	Sidney Bird	2,3
Belvidere	Ward K. David	
Illinois Canning Co. Hoopeston	H. E. Hatfield	1,2,4
Libby, McNeill and Libby		
Blue Island	R. Dickerson	2,3,6
Eureka		
Morton	Jack Olmstead	
Lomax Canning Co. Lomax	Lloyd Sparrow	4
Milford Canning Co. Milford	Martin Nielson	1,2

"

Company and Plant Locations	In Charge	Vegetables Canned
Princeville Canning Co. Princeville	Frank Kelly	1,2,3,6
Rochelle Asparagus Co. Rochelle	Ralph Castenson	1
Rossville Packing Co. Rossville	R. E. Schlecht	1,2
Stokely-Van Camp, Inc. Gibson City Hoopeston	Nye Ater Maurice E. Schellhardt	1,2,3,5,6
Streator Canning Co. Streator	James Loftus	1,2,3,6

"Key for Vegetables Canned

1. Asparagus
2. Sweet Corn
3. Peas
4. Tomatoes
5. Lima Beans
6. Pumpkins"

N.F.O.

Rooms for the June Conference. We understand that rooms for teachers for June Conference week will be available in one of the men's residence halls (Noble Hall). The rate will be $2.75 each for double rooms or $4.00 for single rooms. Linen, blankets, towels, soap, etc., will be furnished. Lounge facilities will be made available in the building to the group.

Those wishing to reserve a room now may send their reservation to Housing Division, Men's Residence Halls, 226 Illini Hall. Those wishing to wait until they arrive for the conference can call at 1215 South 4th Street, Champaign, upon arrival.

Regarding Items From Vocational Agriculture Service. The following information is included in the hope that it may help some of you who are preparing budgets for the school year 1957-58. Most of the items are available now and will be on display and available to pick up from our Vocational Agriculture Shop and Storage Building during the week of the June Conference. Present plans are to have our building open from 7:00 a.m. to 6:00 p.m. throughout the days of the conference (June 11,12, and 13). So far as possible we intend to fill orders placed at the building so that they can be picked up the following half day after they have been placed.

1. Slidefilm containers--Same as those in which Vocational Agriculture Service slidefilms are distributed. 3¢ f.o.b. Urbana.

2. Table for Converting Swine Weights--In general, only single copies are available free. If a department needs more, we will consider supplying them at 3¢ each f.o.b. Urbana.

AIDS, April 1957

3. Illinois Scoring System Device--Single copies of the device with cutouts for use by those scoring by letter or by number are available free. Additional sets are 15¢ each f.o.b. Urbana.

4. Guide to Parliamentary Practices--In general, a single copy will be distributed free to teachers, state supervisors, and teacher trainers and others not familiar with the publication. Otherwise, copies are 15¢ each f.o.b. Urbana.

5. Plan for Notebook Rack--Single copies are free.

6. Electric Motors for Farm Use--An 8-1/2" x 11" publication prepared primarily as a text and laboratory guide. Copies are 40¢ each for fewer than 5 ordered at one time or 35¢ each for 5 or more. Both prices are f.o.b. Urbana.

7. Soil Testing Supplies--Greenhouse or measuring spoons are 50¢ each. Lamps for reading "K" tests are $1.25 each. Racks for holding testing vials are 25¢ each. All three prices are f.o.b. Urbana.

8. Filing Supplies--Boxes of filing material, including cards, guides, directions for filing, etc., are $5.00 per box. Extra cards are 26¢ per hundred. Both prices are f.o.b. Urbana.

9. Careers Ahead--Copies are 12¢ each, postage prepaid. The minimum order is 5 copies.

10. Revolving Jar Holders--Two sizes are available. One holds 36 - 14 oz. jars and is priced at $5.00 f.o.b. Urbana. The other holds 48 - 4 oz. jars and is priced at $4.00 f.o.b. Urbana. We can not be responsible for breakage in transit.

11. Jars for Revolving Jar Holders--We stock jars primarily for those wishing to make up their own holders. 14 oz. jars with covers are $1.00 per carton of 12. 4 oz. jars with covers are $1.00 per carton of 24. Both prices are f.o.b. Urbana. We can not be responsible for breakage in shipment.

12. Supplies for Judging Contest--Certain judging supplies for sectional contests are distributed free to those ordering placing cards for the contest. The charge on placing cards is $2.50 per thousand f.o.b. Urbana. Placing cards are available in seven different colors.

13. Swine Manual--Copies of this 8-1/2" x 11" spiral bound publication are $1.35 each for 1-9 copies, $1.10 for 10-24 copies, and $1.00 for 25 or more. All prices are f.o.b. Urbana.

14. Land Use Selection Cards--These cards are approximately 5-1/2" x 8" printed on both sides. The information is based on Circular 675, "Understanding Soils." Packages of 25 are 50¢ each f.o.b. Urbana.

15. Pressure-Sensitive Paper for Tool Silhouettes--This paper comes in 20" x 25-1/2" sheets coated on one side with pressure-sensitive adhesive, protected by a removable back. The paper is white but can be painted any desirable color. The price is $1.00 for 3 sheets f.o.b. Urbana, which is the minimum order. Additional sheets, if ordered at the same time, are 25¢ each.

16. Subject-Matter Units and Covers--30 units are available, with covers for approximately 18. If interested in prices, write for special price list.

17. Index of Plans--Two sets of index of plan cards, 100 cards in each set, are available. The plans are for items that can be made in the farm shop. Sets are $1.00 each ($2.00 for the two sets) f.o.b. Urbana.

18. Business Reply Cards and Envelopes--Sold only in multiples of 10. Cards are 15¢ for 10 and envelopes 20¢ for 10.

19. Blueprints for Matching Boards, Bolt Racks, Tool Cabinets, and Revolving Device--Blueprints for each of these items are 20¢ each or 50¢ for 4 ordered at the same time. Both prices are f.o.b. Urbana.

20. Calendar of Events--Includes the months from September 1957 through August 1958. Copies will be distributed to Agricultural Release subscribers with the May 1957 releases. Calendars printed on six sheets are 10¢. Those printed on 12 sheets are 15¢. Both prices are f.o.b. Urbana.

21. Slidefilms--Those interested in slidefilms should write for a list of available films.

22. Suede Paper for Flannel Boards--This material comes in rolls 27" wide, and the flocking will adhere tightly to flannel on flannel boards. Mimimum quantity is 1 yard, and the price is 20¢ a yard f.o.b. Urbana.

23. Tool Cabinets--A limited number of cabinets will be available during the summer conference. Because of difficulty in packaging, we have no plans for shipping. If we do not have enough on hand to fill orders to be picked up at the conference, additional ones can be made during the summer. Prices are as follows: 48" x 48" - $11.85; 32" x 40" or 32" x 48" - $10.25; 16" x 40" or 16" x 48" - $5.75.

24. Agricultural Releases - 1957-58--Agricultural Releases will again be offered to those wishing to subscribe. Orders will be accepted beginning June 10 and continuing through September 1. Prices will be the same as last year, that is, not more than $10.00 excluding postage.

25. Subject-Matter Units - Advance Orders--Beginning June 10 and continuing until September 1, Vocational Agriculture Service will accept advance orders for subject-matter units to be released between September 1, 1957, and June 1, 1958. As in the past year, the minimum order will be 10 sets, and the maximum charge will be $1.50 a set. Further details will be announced at the annual conference or thereafter.

Guest Day - College of Agriculture. Guest day for the College of Agriculture for high school students is to be Saturday, April 13. Presumably all vocational agriculture teachers in Illinois have previously received information regarding the program for that day. In case some may not have received the information or have misplaced it, the program is given on pages 8 and 9.

COLLEGE OF AGRICULTURE HIGH SCHOOL STUDENT GUEST DAY
University of Illinois
Saturday, April 13, 1957

MORNING PROGRAM

Time (CST)

9:00 Registration - Stock Pavilion

Lincoln Hall Theater
Chairman - E. H. "Duke" Regnier, Professor of Rural Recreation

9:30 Challenge to Young Men in Agriculture--
Louis B. Howard, Dean, College of Agriculture

9:50 Housing, Scholarships and Loans--
Fred H. Turner, Dean of Students

10:10 Movie--"Beyond Teaching"

10:30 Student Jobs--
University Farm Jobs - Max H. Newport, Senior in Agriculture
Meal Jobs - Nelson Wood, Senior in Agriculture

10:50 Student Life--
Social Life - Barbara Boyd, Senior in Home Economics
Campus Activities - Fred Seibold, Senior in Agriculture

11:15 Enrollment Procedures, Freshman Week, and Registration--
H. L. Sharp, Assistant to Dean

Stock Pavilion

11:45 - 1:00 - Chicken Barbecue--
- Department Heads and Students Serving
- Entertainment - Ag Student Council
- "What Students Wear" - SNIB

AFTERNOON PROGRAM

(1:15 Program for Students Interested in Dairy Technology - 103 Mumford Hall)

(1:15 Program for Students Interested in Agricultural Journalism - 127 Mumford Hall)

135 Animal Sciences Laboratory
Chairman - E. H. Regnier

1:20 Selecting Courses and Major--
C. D. Smith, Assistant Deon of Agriculture

1:45 My First Year at Illinois--
Charles Wendt, Freshman in Agriculture, Past President, Illinois FFA

2:00 Trail Blazing---
L. E. Card, Head, Department of Animal Science

2:15 Conferences, Tour of Campus and Farms

Swine Day - April 16, 1957. Through the thoughtfulness of Dr. D. E. Becker we are able to include a copy of the program for the Illinois Swine Growers' Day. If you are not able to attend, you may wish to hand the program sheet to some farmer in your community who would like to attend. The program is as follows: D.E.B.-W.H.W.

ILLINOIS SWINE GROWERS' DAY
University of Illinois, Urbana
April 16, 1957

8:00-
10:00 Informal Inspection of Swine Farm and Experimental Work

Morning Session (University Auditorium)
H. G. Russell, Chairman

10:30 Levels of Feeding Bred Sows and Gilts.....R. A. Notzold

10:45 Does Limited Feeding Affect Carcass Value?.....D. E. Becker

11:00 Free-Choice and Complete Rations on Pasture and Drylot.....B. G. Diggs

11:15 Levels of Oats in Rations for 100-Pound Pigs.....A. H. Jensen

11:30 Programs for Selecting Meat-Type Hogs.....G. R. Carlisle

LUNCH

11:45-
1:15 Barbecue Pork Chop Luncheon in Stock Pavilion.....Block and Bridle Club

Afternoon Session (University Auditorium)
L. B. Howard, Chairman

1:15 Which Way in the Hog Business - "Boom or Bust?".....L. H. Simerl
Department of Agricultural Economics, University of Illinois

1:40 Modern Pork Merchandising.....J. C. Milton
American Meat Institute, Chicago, Illinois

2:20 A Hog Program That Works for Me.....L. L. Stewart
Frankfort, Indiana

3:00 Adjourn

Swine equipment and exhibits on display at Stock Pavilion.
See beef cattle and sheep on experiment at the Beef and Sheep Farms.
See research on automatic feed-handling equipment at the Agricultural Engineering Research Laboratory.

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March 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.16
Corn, ground, bu.	1.23
Oats, bu.	.64
Oats, ground, bu.	.71
Barley (feed), bu.	1.05
Barley, ground, bu.	1.12
Hominy feed, ton.	53.00
Wheat bran, ton	56.00
Shorts and standard middlings, ton.	55.00
Flour middlings, ton.	62.00
Red Dog flour, ton.	63.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	72.00
Cottonseed meal (43% protein), ton.	73.00
Gluten feed, ton.	54.00
Tankage, ton.	85.00
Blood meal, ton	145.00
Beef scrap, ton	76.00
Poultry bone, ton	80.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.72
Whole milk, cwt.	3.60
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	12.00
Oat straw, ton.	10.00

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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VO-AG AIDS

Volume 15, Number 10

May 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

Schedule and Other Details of the Vo-Ag Shop and Storage Building During June Conference Week. As mentioned previously, present plans are to have our Vo-Ag Shop and Storage Building open from 7:00 a.m. to 6:00 p.m. DST throughout the days of the June Conference (June 11, 12, and 13). So far as possible, we hope to be able to fill orders placed at the building so that they can be picked up the following day. At least two or more display items furnished by commercial organizations or others will be available on a free basis. If NASCO makes an exhibit at our conference this year as planned, their exhibit as well as our book display will be at the building. In addition, we will have on display various items available from our Service. Further announcements will be made at the announcement period scheduled for the opening session of the opening session of the June Conference.
M.H.

New Publications. Copies of the following publications have reached our office since the last issue of the AIDS:

Circular 769, "Rate Yourself as a Credit Risk"
Circular 770, "Borrowing to Increase Farm Earnings With Minimum Risk"
Circular 771, "Chemical Control of Weeds and Brush"
Circular 773, "Controlling Corn Borers in Sweet Corn"
Circular 774, "Grain Sorghums in Illinois"
Bulletin 607, "Inheritance of Resistance to Asparagus Rust"
"Research Progress at the Illinois Agricultural Experiment Station--Report for 1954-56"

Of the foregoing copies of circulars, 769, 770, 771, 773, and 774 were included with the May Agricultural Releases. The two remaining publications were not included because of their rather limited value to most Agricultural Release subscribers. Copies are available under the policies given in the August issue of the AIDS regarding distribution of bulletins and circulars for use in the vocational agriculture program. M.H.

FFA Roadside Signs. The 79 sets of FFA signs that have been assigned this year are available for immediate distribution. We do not wish to ship them, but teachers who are on the campus prior to the June Conference can pick up their signs at our Vo-Ag Shop and Storage Building. Those wishing to do so can pick them up the week of the conference. M.H.

Farm Bureau Farm Management Report. We understand that a limited number of copies of the new report (1956) may be available for distribution to Illinois teachers of vocational agriculture. It appears now as though those will not be ready until May 25 or a little later. Present plans are to distribute them free to vocational agriculture teachers who call for them at our building on Florida Avenue. M.H.

Information from "County Agent & Vo-Ag Teacher." Mr. H. R. Damisch, Chief, Agricultural Education, has sent us the following information he received from Gordon L. Berg, editor of County Agent & Vo-Ag Teacher.

> "The April issue of County Agent & Vo-Ag Teacher carries a four-page educational insert on pages 47-50 entitled 'Make Grass Stand Up and Pay Off.' Written in popular, easy-to-read terms, the insert is intended for classroom use.
>
> "Another article that all teachers will be interested in is the Farm Mechanics feature 'Light Up Those Mail Boxes,' written by Lionel E. Cross, executive secretary of the NVATA." M.H.

"Stop Your Floods Before They Start." We have recently received a publication from the Caterpillar Tractor Co. of Peoria, Illinois, entitled "Stop Your Floods Before They Start." The announcement that accompanied the publication stated that it was "aimed at telling the American farmer the potentialities of Public Law 566, The Small Watershed Program, developed by Congress in 1954 to combat the immense yearly losses to farmers by erosion and floods. So far, many farmers have participated in this development program, but there are still thousands losing property each year because they do not understand, or are unaware of, the provisions of the law. They do not know that Federal Aid will help them build needed protection, and that action must start at the 'grassroots' level." The announcement further states that "Stop Your Floods Before They Start outlines what is required and the steps necessary under the Program. We believe that this booklet gives a complete picture of the Program and is vital to those farmers not as yet taking advantage of the assistance offered."

We understand that the Caterpillar Tractor Co. has additional copies of the publication for distribution and that they are being made available on a first-come, first-served basis until the supply is exhausted. Teachers may wish to secure a single copy before ordering quantities in order to be sure the material will fit into their teaching program. If ordering, please send your request direct to Advertising Division, Caterpillar Tractor Co., Peoria, Illinois. In some cases copies may be obtained from local Caterpillar dealers. M.H.

Last Issue of 1956-57 AIDS. This (May) issue of the AIDS will be the last issue of the current school year. With the first issue of the next (16th) volume of the VO-AG AIDS, teachers will notice a change in format. The August issue will be the first of the new school year. M.H.

Annual Sheep Field Day--Illinois Purebred Sheep Breeders' Association. Professor U. S. Garrigus of the Sheep Division has given us the following information regarding the Field Day of the Purebred Sheep Breeders' Association:

> "On Sunday, June 2, starting at 10:00 a.m. CST, the Illinois Purebred Sheep Breeders' Association will hold the annual family Field Day at Twin Lakes Park located on the north edge of Paris, Illinois, on Route 1.
>
> "A committee is hard at work planning for an interesting and pleasant gathering. There will be a wool judging contest with divisions for men, women, and children under 18 years of age. At noon there will be a potluck dinner with the committee providing a lamb barbecue and cold drinks. Each family is asked to bring their own table service and a vegetable, salad, dessert, or relishes to share with others. There will be an opportunity to see wool being graded and warehoused at the Illinois Wool Marketing Association. There will also be a demonstration on grading market lambs. Anyone interested in the sheep business and in a genuinely friendly get-together will not want to miss this annual event." M.H.

Third Annual Safety Field Day. We are indebted to O. L. Hogsett, extension safety specialist, for the following information regarding the Third Annual Safety Field Day:

> "The Illinois Rural Safety Council is sponsoring its third annual Safety Field Days on July 23 and 25. July 23 will be for the north half of the state located in DeKalb County at DeKalb. July 25 will be for the south half of the state located in Marion County at Salem.
>
> "The main objective of the Safety Field Days is to give those who have or may have responsibility for local safety programs a chance to become familiar with demonstrations, exhibits, and other safety materials that may be adaptable for use in their local areas. Also, it is hoped that individuals may get a better understanding of the safety problem that we face in today's modern living and farming." M.H.

Farm Machinery Day. Professor Wendell Bowers of Agricultural Engineering has given us the following information for vocational agriculture teachers regarding Farm Machinery Day to be held, Tuesday, May 28:

> "The fourth annual farm machinery field day will be held on Tuesday, May 28, in the stock pavilion at the University of Illinois. Invitations are being extended to farm machinery dealers, machinery companies, farm advisers, and Vo-Ag teachers. You will receive further information on this meeting as well as a program and registration form from Wendell Bowers."
>
> W.B.-M.H.

Bulletins, Circulars, and Other Items to be Picked Up. May we strongly urge that teachers who plan to be on the campus for June Conference or for any other activity and who plan to pick up items at that time please notify us as far in advance as possible. So far as bulletins and circulars are concerned, this is not an unreasonable request. We find that farm advisers have for years been asked to notify the proper office here at the University at least a week in advance of the time they expect to pick up bulletins and circulars. If you will notify our office of any items that you will wish to pick up at some specific time, we certainly will do all we can to have them ready when you call for them.

We realize, of course, that teachers who visit our building during conference week will wish to place orders for certain material while they are there. We are doing all we can in advance to make it possible for you to pick up orders the next half day after placing your order at our building. M.H.

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April 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.17
Corn, ground, bu.	1.24
Oats, bu.	.66
Oats, ground, bu.	.73
Barley (feed), bu.	1.08
Barley, ground, bu.	1.15
Hominy feed, ton.	53.00
Wheat bran, ton	53.00
Shorts and standard middlings, ton.	53.00
Flour middlings, ton.	59.00
Red Dog flour, ton.	60.00
Soybean oilmeal, ton.	63.00
Linseed meal (37% protein), ton	76.00
Cottonseed meal (43% protein), ton.	73.00
Gluten feed, ton.	54.00
Tankage, ton.	86.00
Blood meal, ton	148.00
Beef scrap, ton	79.00
Poultry bone, ton	84.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.72
Whole milk, cwt.	3.60
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	12.00
Oat straw, ton.	10.00

Pasture Rates

Colts and calves, 6 to 12 months old, 4 cents a day
Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
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VO-AG AIDS

MAR 10 1958

Volume 16, Number 1

August 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
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Illinois State Board of Vocational Education

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POLICY OF THE VO-AG AIDS

The purpose of the AIDS is to give teachers information that we think might be helpful to them. The AIDS does not carry personal news items or indoctrinating articles of any kind. Both may have a place in the vocational agriculture program, but we do not consider that the AIDS is the medium through which to reach teachers with such articles. It is our aim to limit the information to facts rather than opinions. For that reason we refrain from drawing conclusions to the effect that certain items "should be of interest to all vocational agriculture teachers," etc.

The fact that an item is included in the AIDS does not necessarily mean that it is endorsed by Vocational Agriculture Service or Agricultural Education or both. It simply means that we think enough teachers might be interested in knowing about it to justify including the information

VO-AG SERVICE

Announcements & Notes

SPECIAL NOTICE
to All Illinois Teachers of Vocational Agriculture

The first issue of the AIDS for each school year (August) is the nearest approach to a catalog of anything that we issue. Further, in this issue, we carry information regarding policies affecting vocational agriculture teachers. Consequently, you may find it advisable to file this copy. M. H.

Calendar of Events. Copies of the calendar of events for the months of September 1957 through August 1958 have already been distributed to Agricultural Release subscribers for 1956-57. Copies were also available at the time of the conference. If you did not receive copies at that time and are interested in doing so, you can get them from Vocational Agriculture Service at 15 cents each, f.o.b. Urbana, Illinois. M. H.

Business Reply Cards and Envelopes. Postage rates on business reply cards and envelopes were raised effective July 1, 1957. Consequently, even though we partly subsidized the postage cost of these items, at current rates the charge to you will be as much as you would pay for using regular cards and envelopes. M.H.

Boxes of filing materials and supplies. Boxes of filing supplies are available to anyone for $5.00 each, f.o.b. Urbana, Illinois.* Extra cards will be 25 cents per hundred, f.o.b. Urbana, regardless of type or color. Distribution of filing materials on a free basis has been discontinued. M. H.

Blueprints for Bolt Racks, Tool Cabinets, and Revolving Device. Blueprints are available for each of these three items. They are 20 cents each or 50 cents for the three if ordered at the same time. All prices are f.o.b. Urbana, Illinois.* M. H.

Index of Plans (Sets 1 and 2). Each set consists of 100 4 x 6 inch cards. The cards are not intended to replace the plans referred to, but are expected to serve only as an index or reference to such plans. Each card contains an illustration of the item, the source, the number of the plan, the charge and a brief description. Two sets have been completed to date. We hope eventually to have several sets. There may be several cards regarding the same kind of item. For example, several hog feeders may be included but not two of the same plan. Those ordering may wish to file the cards under subject-matter headings. Sets are $1.00 each ($2.00 for the two sets), f.o.b. Urbana.* M. H.

Land-Use Selection Cards. Vocational Agriculture Service has a supply of Land-Use Selection Cards similar to those distributed last year. These are 5-1/2 x 8 inches, printed on both sides. The information on them is based on the new Illinois Circular 758, "Understanding Soils." Packages of 25 are 50 cents, f.o.b., Urbana, Illinois.* M. H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Illinois Scoring System Device. Printed copies of the device for scoring placings according to the Illinois Scoring System have been distributed to Illinois departments of vocational agriculture on numerous occasions. Extra copies have been made available on a charge basis since the first free distribution. When Illinois teachers request no more than three or four copies with other judging supplies, there will be no charge. We have cut-outs for use by those scoring by letter or by number. Single copies of the device with cut-outs are available to out-of-state teachers, state supervisors, teacher trainers, and others without charge. If more are ordered, they are 15 cents a set, f.o.b. Urbana.* M. H.

Supplies for Judging Contests. For some years Vocational Agriculture Service has provided supplies for use in judging contests. The charge of $2.50 per thousand, f.o.b. Urbana, for placing cards will be continued this year, regardless of whether the cards are for sectional judging contests, local contests, 4-H contests, or other similar activities.* There will be no additional charge for registration cards, score sheets, manila cards for scoring, judge's placing cards, and the like if they are ordered at the same time as the placing cards. The $2.50 per thousand will make judging cards cost not more than two cents per boy for the eight rings ordinarily included in any of our contests. We think most teachers will agree that this charge is reasonable.

We have placing cards in seven colors and crop and weed seed identification cards in the same colors. Registration cards in two colors will be available for each of the divisions ordinarily included in the state judging contest. Summary sheets are in two colors, and manila cards for scoring and judge's placing cards will be sent when requested on the basis of number of rings to be included in the contest.

PLEASE NOTE: Again this year we have a form to use when ordering judging supplies. It should help you in ordering and also help us fill your order more intelligently. Please request a copy of the form before ordering supplies. M. H.

Notebook Rack. We still have copies of the plan for the notebook rack mentioned in previous issues of the AIDS. It is an 8 1/2 x 11 inch sheet, and single copies are free on request. M. H.

Pressure-Sensitive Paper for Making Tool Silhouettes. This paper comes in 20 x 25 1/2 inch sheets, coated on one side with a permanent pressure-sensitive adhesive protected by a removable back. The paper is white but can be painted any desired color with a good grade of enamel paint. The price is $1.00 for three sheets, f.o.b. Urbana, Illinois, with a minimum order of three sheets. Additional sheets, if ordered at the same time, will be 25 cents each, f.o.b. Urbana.* M. H.

Slidefilm Containers. These containers are the same as those in which Vocational Agriculture Service slidefilms are distributed. If you need extras, we can supply them at 3 cents each, f.o.b. Urbana.* M. H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Revolving Jar Holders for Small Items. We now have additional revolving jar holders for small items. One size holds 36 14-oz. jars and is priced at $5.50, f.o.b. Urbana.* Another size holds 48 4-oz. jars and is priced at $4.00, f.o.b. Urbana. Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will pack it as carefully as possible and send it by insured parcel post or express, whichever is cheaper. The insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M. H.

Jars for Revolving Jar Holders. We normally stock jars for those wishing to make up their own revolving jar holders. The 14-oz. size with cover will mount on a standard 4 x 4. The square 4-oz. jars can be mounted on a piece obtained by ripping a standard 2 x 4. Because these jars are slightly different in size from the ones we used in the first holders, schools wishing to make their own revolving device may need to make a slight variation in the over-all length of the piece on which the jars are to be mounted and in the spacing from those shown on the blueprints.

The 14-oz. jars with covers are $1.10 per carton of twelve, while the 4-oz. jars with covers are $2.00 per carton of forty-eight. Prices are f.o.b. Urbana and are based on full cartons only.*

Vocational Agriculture Service cannot assume responsibility for jars broken in shipment. If your order is to be shipped, we will send it by insured parcel post or express, whichever is cheaper, and the insurance receipt will be sent to you. You can then make any claims that are necessary as a result of breakage. M. H.

Soil-Testing Supplies. In April 1953 Vocational Agriculture Service discontinued distributing most of the soil-testing supplies handled up to that date. We are, however, still handling three of the items previously used in our soil-testing kits: racks for holding testing vials, greenhouse or measuring spoons, and the lamp used in reading the K test. Racks are 25 cents each, greenhouse spoons 50 cents each, and lamps $1.25. All three prices are f.o.b. Urbana.* M. H.

Suede Paper for Use on Flannel Boards. This paper comes in a roll 27 inches wide. The minimum order is one linear yard, and the cost is 25 cents per linear yard, f.o.b. Urbana.* M. H.

Tool Cabinets. A limited number of tool cabinets were available at the time of the summer conference. We still have a few of them. Because of the difficulty in shipping, we have made no plans for shipment. Prices and sizes are as follows:

48 x 40 -	$11.85
32 x 48 -	10.25
32 x 40 -	10.25
16 x 48 -	5.75
16 x 40 -	5.75

M. H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Table for Converting Swine Weights. We still have a supply of tables for converting swine weights to 56 days. In general, only single copies are available on a free basis. If a department needs more, we will consider supplying them at a nominal charge. M. H.

Problem and Key for Farm Account Book. After careful consideration we have decided not to revise the problem and key this year. Consequently, the same problem and key will be available for use with the Illinois Farm Record Book as was distributed last year. Copies of the teacher's key are 50 cents each. Copies of the problem are 25 cents each in quantities of 1-5 or 10 cents per copy for 6 or more. Prices for the key and problem are f.o.b. Urbana.* M. H.

Voc. Agr. Service Electric Motor Kits Available. Electric motor laboratory kits will be available in each section on the same basis as last year. Kits are in charge of electric power supplier representatives who are cooperating in the program.

These men will issue a kit to eligible teachers according to the schedule for the year which is worked out by the sectional chairman and those concerned. Teachers who have not participated in a training meeting, either in a section or at the University of Illinois (applicable to recent graduates), may request this training from the power supplier representatives.

If you are interested in further details and your sectional chairman is not able to supply them, please contact Vocational Agriculture Service. M. H.

Weed Seeds -- Chicory -- Dodder -- Lettuce. Those wishing to add to vials of seeds distributed by Vocational Agriculture Service in the past may be interested in purchasing seeds that can be placed in the extra vials that we included in the sets. Envelopes of chicory, dodder, and lettuce are available at 12 cents each or 3 for 35 cents, f.o.b. Urbana, Illinois.* These were available at the time of the conference and were sent to us on a consignment basis. We kept a few extras. We suggest that you order immediately if you wish one or more of the packages. M. H.

Swine Manual. The Swine Manual, announced in February 1953, is still available. It is a printed 8 1/2 x 11 inch spiral-bound publication containing about 120 pages and 15 chapters. It includes information previously published in some of the subject-matter units, plus additions that were necessary to more nearly cover the enterprise. When the current supply of about 500 copies is exhausted, the manual will not be reprinted. Consequently, we suggest that you order copies soon if you will need them.

The price is $1.35 each for 1 to 9 copies, $1.10 for 10 to 24 copies, and $1.00 for 25 or more copies. All prices are f.o.b. Urbana, Illinois.* M. H.

Illinois Soil-Type Description Sheets, AG-1443. The Information Office tells us that copies of this publication are no longer available. We do not know of any plans for reprinting the publication in the immediate future. If the material should again become available, an announcement will be made in the AIDS. M. H.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Electric Motors for Farm Use. This 8 1/2 x 11 inch publication of more than 30 pages was prepared primarily as a text and laboratory guide to accompany the laboratory materials on electric motors now available in each of the 25 agricultural sections in Illinois. Copies are 40 cents each if fewer than five are ordered at one time or 35 cents each for five or more. Both prices are f.o.b. Urbana.* M. H.

Illinois Farm Record Book, Revised. This book was revised last year, and so far as we know no additional revisions will be made during the course of the current school year. Copies may be obtained by writing direct to Agricultural Economics or through our office, depending upon which is more convenient. Prices are as follows:

Part 1 -- 40 cents a copy, 35 cents each for 5 or more
Part 2 -- 25 cents a copy, 20 cents each for 5 or more
Out-of-state orders, Part 1 -- 45 cents, Part 2 -- 30 cents
(Regardless of quantity ordered) M. H.

Guide to Parliamentary Practices. Copies of this publication are still available. New departments approved this year may obtain up to twelve copies free upon request, provided they state that the department has been approved for the first time for the school year 1957-58. A charge of 15 cents a copy, f.o.b. Urbana, will apply to others who order more than a single copy.* Single copies will be distributed free to out-of-state teachers of vocational agriculture, teacher trainers, and state supervisors, as well as to individual teachers in Illinois who may not be familiar with the publication. M. H.

Planning the Farm Business. Copies of this book are 25 cents each to out-of-state readers, regardless of number of copies ordered, and to all Illinois residents who order fewer than five copies at one time. Illinois teachers ordering five or more copies at the same time may obtain them either from the Agricultural Information Office, 110 Mumford Hall, or from Vocational Agriculture Service, 434 Mumford Hall, at 20 cents a copy.* If you order from the Agricultural Information Office, payment should accompany orders. M. H.

Agronomy Facts -- Volumes I, II, and III. Bound copies of these volumes of Agronomy Facts are available through the Information Office. You can order direct, in which case payment should accompany your order, or you can order through Vocational Agriculture Service on the basis of payment policies indicated elsewhere in this issue. Copies of Volume I are $1.50 each. Copies of Volumes II and II are $1.00 each. Bound copies of Volume IV (distributed during the 1956-57 year) are not yet available. These prices are f.o.b. Urbana.* M. H.

National Brochure, "Careers Ahead." Complimentary copies of this publication were distributed to vocational agriculture teachers in Illinois last year. Copies were also sent to high school principals, to persons whose names were suggested as prospective College of Agriculture students, and to a limited group of others.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

Vocational Agriculture Service was asked to maintain a supply for those wishing to purchase additional copies. We still have copies at 12 cents each, postage prepaid, although the minimum order is five copies.* If you are an out-of-state resident, we suggest that you try to get your copy or copies through your own land-grant college. If you cannot get them from that source, we will accept orders so long as our supply lasts. Please note that the minimum order is five copies.

We understand that, when our current supply is exhausted, the price on additional copies that we order will be increased. M. H.

The Science and Economics of Soil Fertility, AG-1589. The Information Office tells us that it has 41 copies of the mimeograph entitled "The Science and Economics of Soil Fertility." They are 50 cents each and may be secured from the Agricultural Information Office, 110 Mumford Hall. That office requests that payment accompany orders. You may place your order through Vocational Agriculture Service if you find it more convenient. The price per copy (50 cents) will be the same.* M. H.

Michigan Source Units. The more than 30 series of units available from Michigan were distributed at the summer conference. The composite order has already been sent to Michigan, and we are not in a position to accept orders for additional units at this time. Further, we understand that Michigan does not wish to accept orders for this material from individual teachers in Illinois. M. H.

Nebraska Source Units. The two source units distributed at the conference entitled "Planning Adequate Farmstead Wiring" and "Producing Certified Seed" have been distributed to teachers who ordered them at that time. We are not in a position to accept additional orders for either of those units at present, and we understand that Nebraska does not wish to accept orders from individual teachers in Illinois. M. H.

Special Notice to Out-of-State Teachers. Vocational Agriculture Service is glad to serve you as well as our own teachers. We do, however, wish to call your attention to the fact that on some items departments make a slightly different price to out-of-state residents. For example, "Planning the Farm Business" is 25 cents a copy to out-of-state residents regardless of number of copies ordered. It is 25 cents a copy to Illinois schools unless five or more are ordered, in which case the charge is 20 cents.

It is possible that other departments may from time to time place a small additional charge on items requested by out-of-state persons. When we announce such items in the AIDS, we will try to call attention to these differences. If you are an out-of-state reader and are interested in some item that is mentioned in the AIDS and the announcement does not state whether it is available out of state, we suggest that you contact us.

*See information elsewhere in this issue regarding payment policy for items purchased from Vocational Agriculture Service.

New Publications. Since the last issue of the AIDS, the following bulletins and circulars have become available from the College of Agriculture: bulletin 610, "Variability of Yields and Income From Major Illinois Crops, 1927-1953"; bulletin 611, "A Vibrator-Powered Meter for Small Grain and Ground Feed"; bulletin 612, "The Vegetable Canning Industry in Illinois"; bulletin 613, "Farms Are Growing Larger"; circular 772, "Pruning and Training French Hybrid Grapes"; circular 775, "Remodeling Cribs for Shelled-Corn Storage"; circular 776, "County Zoning"; circular 777, "The Morrow Plots --University of Illinois"; and circular 778, "Zoysia Grass."

If you are not familiar with the policy regarding distribution of bulletins and circulars from the College of Agriculture, please see the information given elsewhere in this issue. Ordinarily, single copies are available out of state without charge, but a charge is usually made for extra copies. The amount of that charge can be obtained by writing our office or the Agricultural Information Office, 108 Mumford Hall, Urbana, Illinois. M. H.

Orders for Tape Recordings and Accompanying Materials. Tape recordings ordered during the conference have been sent. The recordings are $3.00 each and are on the following subjects:

Effect of Microorganisms in the Soil
Deep Tillage
Collecting Soil Samples
How and Why Soils Differ
Soil Acidity and Liming
Leaf Feeding and Foliar Fertilization
Long-Range Soil Fertility Planning
Soil Moisture
Fall and Winter Application of Nitrogen
Soil Nitrogen and Nitrogen Fertilization
Growing Corn on Low-Potash Soils in Southern Illinois

In addition to the tapes, we will also have visual materials to accompany "How and Why Soils Differ" and "Soil Moisture" at 50 cents each. While these visuals are not immediately available, they will be completed within a reasonable time and orders will be accepted at this time. In addition, during the year we will have a colored filmstrip to accompany the recording entitled "Growing Corn on Low-Potash Soils in Southern Illinois." It will be less than $5.00; orders will be accepted now and distribution made later in the year. When the prints are ready for distribution, definite prices will be announced. M. H.

Weed Seed Slides. This set of slides contains a color transparency of each of the 42 weed seeds given in the list of weed seeds to be identified in the Illinois State Grain Judging Contest. All are original ektachrome prints (not duplicates). The weeds with their respective mount numbers are listed below. The lines in the scale at the side are 1/5 inch apart. All except the cocklebur are photographed at the same distance.

The sets are $12.25 postpaid if used for educational purposes. If not, 3 percent sales tax must be added to the price. If insurance is desired, add 30 cents. If cash accompanies order, deduct 25 cents. These slides may be obtained by ordering direct from H. J. Rucker, 513 W. Oregon Street, Urbana, Illinois.

LIST OF WEED SEEDS INCLUDED IN THIS SET

1. Annual morning glory
2. Barnyard grass
3. Broadleaf plantain
4. Buckhorn
5. Bull nettle
6. Canada thistle
7. Cheat
8. Cocklebur
9. Common ragweed
10. Corn cockle
11. Crab grass
12. Curled dock
13. Dodder
14. Evening primrose
15. Field bindweed
16. Flower-of-the-hour
17. Giant foxtail
18. Giant ragweed
19. Jimson
20. Johnson grass
21. Lambs-quarter
22. Leafy spurge
23. Milkweed
24. Ox-eye daisy
25. Pepper grass
26. Perennial sow thistle
27. Quack grass
28. Red sorrel
29. Rough cinquefoil
30. Rough pigweed
31. Smartweed
32. Beggar tick
33. Velvet weed
34. Wild buckwheat
35. Wild carrot
36. Wild chicory
37. Wild garlic
38. Wild lettuce
39. Wild mustard
40. Wild parsnip
41. Wild salsify
42. Yellow foxtail

M. H.

Agricultural Releases for 1957-58. On August 1 we sent a form letter including the following information to all on our mailing list, as well as to a few others who had previously indicated an interest in our materials. The same information was also available to those attending the Annual June Conference of Vocational Agriculture Teachers. If you have ordered Agricultural Releases previously for 1957-58, please do not order on the basis of this announcement.

1. Agricultural Releases will include all multiliths, mimeographs, or printed releases from the College of Agriculture which departments approve of our sending except--

   a. Items primarily of local interest.
   b. Items that carry a regular charge.

   NOTE: "Agronomy Facts" and "Summary of Spray Material Presentations" ordinarily carry a charge but will be included if issued. We will also include a copy of each subject-matter unit released by Vocational Agriculture Service during the school year 1957-58.

2. The subscription charge for the 1957-58 releases will be based on cost of the releases to Vocational Agriculture Service but will not exceed $10.00 plus postage. The

The sets are [illegible] available for educational purposes. [illegible] percent sales tax must be added to the price. If insurance is desired, add [illegible] cents. If each component [illegible], deduct [illegible] cents. These slides may be obtained by ordering direct from [illegible], [illegible] W. [illegible] Street, [illegible], [illegible].

[illegible]

1.	Annual [illegible]	15.	[illegible] bindweed	[illegible]	[illegible]
2.	[illegible]	16.	Flower-of-the-[illegible]	[illegible]	[illegible]
3.	[illegible] plantain	17.	[illegible]	[illegible]	[illegible]
4.	[illegible]	18.	[illegible] ragweed	[illegible]	[illegible]
5.	Ball nettle	[illegible]	[illegible]	[illegible]	[illegible]
6.	[illegible] thistle	[illegible]	Johnson grass	[illegible]	[illegible]
7.	[illegible]	[illegible]	[illegible]-quarter	[illegible]	[illegible]
8.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9.	[illegible]	23.	[illegible]	[illegible]	[illegible]
10.	[illegible]	[illegible]	[illegible]-eye daisy	[illegible]	[illegible]
11.	[illegible]	[illegible]	Pepper grass	[illegible]	[illegible]
12.	[illegible]	[illegible]	[illegible] sow thistle	[illegible]	[illegible]
13.	[illegible]	[illegible]	[illegible] grass	[illegible]	[illegible]
14.	[illegible]	28.	[illegible]	[illegible]	[illegible]

[illegible]

Agricultural [illegible] for 1957-58. On August 1 we sent a [illegible] letter [illegible] the following information to all on our mailing list. [illegible] a few [illegible] had previously indicated an interest in our material. [illegible] information was also available to those attending the Annual [illegible] of Vocational Agriculture Teachers. If you have ordered Agricultural [illegible] previously for 1957-58, [illegible] on the basis of this arrangement.

1. Agricultural [illegible] will include all [illegible] [illegible] graphs, [illegible] selected [illegible] from the [illegible] of Agriculture [illegible] approval of our [illegible].

   a. Items [illegible] of local interest.
   b. Items [illegible].

2. [illegible] "[illegible]" and "[illegible] of [illegible] [illegible]" [illegible] [illegible] [illegible] be included if [illegible]. [illegible] [illegible] [illegible] of [illegible] [illegible] [illegible] Vocational Agriculture [illegible] during the [illegible] year 1957-58.

3. [illegible] for the 1957-58 [illegible] [illegible] [illegible] [illegible] Vocational Agriculture [illegible] [illegible] [illegible] plus postage. The

[illegible]

charge to out-of-state subscribers will be the same unless (1) departments or divisions make a higher charge to Vocational Agriculture Service for given items for out of state or (2) we are not given approval to distribute certain items to out-of-state subscribers. In either case subscribers will be charged accordingly.

3. Since it will be necessary for us to set up an open (charge) account for each subscriber, Vocational Agriculture Service will accept charge orders from any subscriber for material available through our office, regardless of how small the amount, so long as the subscriber does not have an unpaid account that is older than three months.

4. Unless the subscriber requests otherwise, monthly charges on an open account will be accumulated until they total at least $5.00. Between the 1st and the 15th of the first month thereafter, a statement will be sent covering the total. At the end of our fiscal year (June 30, 1958) a final statement will be sent to each subscriber, regardless of how small the accumulated charges might be.

SUBSCRIPTIONS TO 1957-58 AGRICULTURAL RELEASES WILL NOT BE ACCEPTED AFTER SEPTEMBER 1, 1957

Slidefilms available from Vocational Agriculture Service. The following is a list of the slidefilms available from Vocational Agriculture Service as of August 1, 1957.

Film No.	Title of slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY			
120	Feeding for Egg Production	71	$ 1.24	$ .88
121	Tables, Graphs and Charts on Poultry Production	59	1.03	.74
122	Identification of Breeds and Varieties of Chickens (in color)	63	2.83	not avail.
140	Control Stomach and Nodular Worms of Sheep	48	.84	.60
141	Shearing Sheep	64	1.12	.80
142	Breeds of Sheep	106	1.86	1.33
143	Selecting Sheep	85	1.48	1.06
160	Increase Profits Through Swine Sanitation	65	1.14	.81
163	Tables, Graphs and Charts Relating to Swine Production	52	.91	.65
164	Breeds of Swine	82	1.44	1.03

(Continued on next page)

Slidefilms (cont.)

Film No.	Title of slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY (cont.)			
165	Swine Herd Testing	65	1.14	.81
166	Selecting Breeding Hogs	78	1.36	.98
167	External Parasites of Swine	48	.84	.60
180	Fitting, Training, Grooming, and Showing Beef and Dairy Calves	100	1.75	1.25
181-185	Meat Films (Complete set)		10.00	7.00
181	Identification of Kinds of Meat (in color)	24	1.81	1.27
182	Identification of Cuts of Pork (in color)	44	3.12	2.18
183	Identification of Cuts of Beef (in color)	38	2.70	1.89
184	Identification of Cuts of Veal (in color)	30	2.29	1.60
185	Identification of Cuts of Lamb (in color)	26	1.93	1.35
186	Preventing Loss When Handling Livestock	40	.70	.50
	DAIRY HUSBANDRY			
200	Control Mastitis of Dairy Cattle	49	.86	.61
2010	Winter Feeding of Dairy Cattle	96	1.68	1.20
202	Tables, Graphs and Charts on Dairy Production	53	.93	.66
203	Producing and Handling Clean Milk	76	1.33	.95
204	Bacteria and Milk	59	1.03	.74
205	Good Milking Practices	56	.98	.70
206	Testing Milk for Butterfat	43	.75	.54
207	Selecting Dairy Cattle	91	1.62	1.15
	FARM MANAGEMENT AND ECONOMICS			
310	Increasing the Efficiency of Man Labor	54	.94	.67
320	Marketing Grain Through a Grain Exchange--The Cash Market	43	.75	.54
321	Marketing Grain Through a Grain Exchange--The Futures Market	52	.91	.65
330	Farm Appraisal	117	2.05	1.46

(Continued on next page)

When ordering please be sure to state whether you wish single or double frame prints, provided both are listed as available.

Orders for items distributed by Vocational Agriculture Service totaling less than $5 should be accompanied by payment unless you have an open account. Stamps may be sent in payment of less than $1. Prices given are f.o.b. Urbana--postage is extra.

AIDS, August 1957

Slidefilms (cont.)

Film No.	Title of slidefilm	No. of frames	Double frame	Single frame
	ANIMAL HUSBANDRY (cont.)			
[illegible]	Swine Herd Testing	[illegible]	[illegible]	[illegible]
[illegible]	Selecting Breeding Cows	[illegible]	[illegible]	[illegible]
167	Original Parasites of Swine	[illegible]	[illegible]	[illegible]
[illegible]	Fitting, Feeding, Grooming, and Showing Beef and Dairy Calves	[illegible]	[illegible]	[illegible]
[illegible]	Hoof Films (Complete set)		[illegible]	[illegible]
[illegible]	Identification of Kinds of Meat (in color)	[illegible]	[illegible]	[illegible]
[illegible]	Identification of Cuts of Pork (in color)	[illegible]	[illegible]	[illegible]
[illegible]	Identification of Cuts of Beef (in color)	[illegible]	[illegible]	[illegible]
[illegible]	Identification of Cuts of Veal (in color)	[illegible]	[illegible]	[illegible]
[illegible]	Identification of Cuts of Lamb (in color)	[illegible]	[illegible]	[illegible]
[illegible]	Preventing Loss When Handling Livestock	[illegible]	[illegible]	[illegible]
	DAIRY HUSBANDRY			
[illegible]	General Anatomy of Dairy Cattle	[illegible]	[illegible]	[illegible]
[illegible]	Winter Housing of Dairy Cattle	[illegible]	[illegible]	[illegible]
[illegible]	Tubular Troughs and Charts of Dairy Production	[illegible]	[illegible]	[illegible]
[illegible]	Producing and Handling Clean Milk	[illegible]	[illegible]	[illegible]
[illegible]	Bacteria and Milk	[illegible]	[illegible]	[illegible]
[illegible]	Good Milking Practices	[illegible]	[illegible]	[illegible]
[illegible]	Handling Milk for Butterfat	[illegible]	[illegible]	[illegible]
[illegible]	Selecting Dairy Cattle	[illegible]	[illegible]	[illegible]
	FARM MANAGEMENT AND ECONOMICS			
[illegible]	Increasing the Efficiency of Farm Labor	[illegible]	[illegible]	[illegible]
[illegible]	Marketing Grain Through Grain Exchange--The Grain Market	[illegible]	[illegible]	[illegible]
[illegible]	Marketing Grain Through Grain Exchange--The Futures Market	[illegible]	[illegible]	[illegible]
[illegible]	Farm Appraisal	117	[illegible]	[illegible]

(Continued on next page)

When ordering please be sure to state whether you wish single or double frame prints, provided both are listed as available.

Orders for items listed by Additional Agricultural Service Letters [illegible] than $5 should be accompanied by payment unless you have an open account. Stamps may be sent in payment of less than $1. Prices given are F.O.B. Urbana-postage is [illegible].

[illegible]

Film No.	Title of slidefilm	No. of frames	Price of Double frame	Price of Single frame
	FARM MECHANICS			
4000	Important Rulings Based on the National Electrical Code	124	$2.17	$1.55
4010	Diagramming for Electrical Wiring	93	1.63	1.16
402	Some Skills in Electrical Wiring	41	.71	.51
403	Identification of Electrical Units	64	1.12	.80
404	Recognizing the Items in the Vo-Ag Electrical Loan Box--Unpacking and Repacking the Box	75	1.31	.94
412-415	Electric Motors (complete set)		2.90	2.10
412	Part 1. Magnetism & D. C. Motor	35	.62	.44
413	Part 2. Induction & A. C. Motor	38	.67	.48
414	Part 3. Testing & Identifying Leads; Connecting and Reversing	42	.74	.53
415	Part 4. Trouble Shooting	67	1.19	.84
420	Use of the Square	81	1.41	1.01
421	Using the Square in Laying Out Hip, Valley & Jack Rafters	33	.58	.41
422	Using the Square in Laying Out a Saw Horse	16	.28	.20
423	Selection and Application of Galvanized Roofing and Siding	56	.98	.70
430	Concrete Masonry	54	.94	.67
431	Making Farm Concrete	80	1.40	1.00
432	The Use of Welded Wire Fabric on the Farm	53	.93	.66
440	Prevent Corn Picker Accidents	42	.74	.53
441	Care, Operation and Adjustment of Mowers	65	1.14	.81
450-452	Learning Farm Welding with the Arc Welder (Set of 3)		3.00[1]	2.15[1]
450	Arc Welding--Equipment and Fundamentals of Welding	42		
451	Arc Welding--Learning to Run a Bead	46		
452	Arc Welding--Welding in Different Positions	83		
453	Soldering	88	1.54	1.10
454-456	Use of the Oxy-Acetylene Flame (Set of 3)		3.65[1]	2.61[1]
454	Assembling and Testing Equipment, Lighting and Turning off the Blowpipe	66		
455	Cutting Steel, Piercing Holes, and Bronze Welding	71		
456	Fusion Welding, Hard Surfacing, Tempering, Forming, Bending, and Straightening	72		
457	Welding Cast Iron With the Arc Welder	52	.91	.65
458	Hardsurfacing Farm Equipment with the Arc Welder	42	.74	.53
459	Heating, Brazing, Soldering, and Cutting with Arc Welding Equipment	45	.79	.56
480	Identification of Pipe and Fittings	79	1.38	.99
490	Mixing, Tinting, and Applying Paint	59	1.03	not avail.

(Continued on next page)

[1] Individual films of these two sets are sold only for completing a set. Write for prices if you need one of the films to complete a set.

Slidefilms (cont.)

Film No.	Title of slidefilm	No. of frames	Price of Double frame	Price of Single frame
	FARM MECHANICS (cont.)			
491	Selecting Paint for Exterior Work	58	$1.01	not avail.
492	Painting Farm Buildings	86	1.50	1.08
493	Painting Farm Machinery and Other Metal Work	36	.63	not avail.
494	Use of Color in the Farm Shop (in color)	55	2.10	1.25
495-496	Good Fencing for Better Farming (Set of 2)		2.25	1.60
495	Part 1. Building a Woven Wire Fence	80	1.40	1.00
496	Part 2. Special Fencing Problems	61	1.07	.76
	FORESTRY			
500	Planting Farm Forests in Illinois	94	1.64	1.17
501	The Farmstead Windbreak	103	1.80	1.29
502	Improve and Protect Illinois Farm Woodlands	49	.86	.61
	SOILS AND CROPS			
702	Animal Manures on the Farm	51	.89	.64
703	Collecting and Preparing Soil Samples for Testing	36	.63	.45
704	Testing Soils for Acidity and Interpreting the Test	35	.61	.44
705	Testing Soils for Available Phosphorus and Interpreting the Test	57	1.00	.71
706	Testing Soils for Available Potassium and Interpreting the Test	47	.82	.59
707	Estimating Probable Responses from the Use of Limestone and Fertilizer	41	.72	.51
720	Establishing Grass Waterways	43	.75	.54
721	Soil Conservation Needs, Practices, Benefits	47	.83	.59
730	Methods of Selfing and Crossing Corn	51	.89	.64
740	Selection and Preparation of Soybean Seed	52	.91	.65
741	Tables, Graphs and Charts on Soybean Production	33	.58	.41
742	Inoculation of Legume Seeds	47	.82	.59
743	Alfalfa Culture and Management (in color)	33	2.25	not avail.
744	Alfalfa Insects (in color)	27	2.25	not avail.
760	Moderate vs. Intensive Grazing in Southern Illinois	48	.84	.60
761	Pasture Improvement	59	1.03	.74
	MISCELLANEOUS			
7.0	How Safe Is Your School Farm Shop?	68	1.10	not avail.
1000	Protecting Farm Manpower	56	.98	.70
1001	Improvement of Plants and Animals Through Breeding	106	1.85	1.32

(Continued on next page)

No.	Title (cont.)	Pg.	Price	Amount
	[illegible]			
	[illegible]			
	[illegible]			

Slidefilms (cont.)

Film No.	Title of slidefilm	No. of frames	Price of Double frame	Price of Single frame
	MISCELLANEOUS (cont.)			
1002	Principles of Breeding	47	$ .82	$ .59
1003	Using Warfarin in Controlling Rats and Mice	43	.75	.54
1004	Program of Vocational Agriculture in Illinois High Schools	79	1.38	not avail.
1005	Teaching Vocational Agriculture	51	.89	not avail.

Subject-Matter Units from Vocational Agriculture Service (Series 2).
No copies of subject-matter units 1-146 remain. Those that are still available for distribution in Series 2 are as follows:

*1001 - Caring for the Sheep Flock During Breeding and Gestation
1-4 copies, 20¢ each postpaid; 5 or more copies, 5¢ each, f.o.b. Urbana
*1002 - Artificial Insemination
1-4 copies, 20¢ each postpaid; 5 or more copies, 6¢ each, f.o.b. Urbana
*1003 - Selecting and Purchasing Sheep
1-4 copies, 20¢ each postpaid; 5 or more copies, 6¢ each, f.o.b. Urbana
*1004 - Diseases of Sheep
1-4 copies, 20¢ each postpaid; 5 or more copies, 8¢ each, f.o.b. Urbana
*1005 - Internal Parasites of Sheep
1-4 copies, 20¢ each postpaid; 5 or more copies, 5 1/2¢ each, f.o.b. Urbana
*1006 - External Parasites of Sheep
1-4 copies, 20¢ each postpaid; 5 or more copies, 5 1/2¢ each, f.o.b. Urbana
*1007 - Capons and Caponizing
1-4 copies, 20¢ each postpaid; 5 or more copies, 5 1/2¢ each, f.o.b. Urbana
1008 - Testing Milk for Butterfat
1-4 copies, 20¢ each postpaid; 5 or more copies, 5¢ each, f.o.b. Urbana.
2001 - Farm Planning for Long-Time Profits
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each, f.o.b. Urbana
2002 - Making an Inventory of Farm Resources
1-4 copies, 25¢ each postpaid; 5 or more copies, 11 1/2¢ each, f.o.b. Urbana
3001 - Oxy-Acetylene Welding
1-4 copies, 30¢ each postpaid; 5 or more copies, 17 1/2¢ each, f.o.b. Urbana
3002 - Farm Metal Work
1-4 copies, 30¢ each postpaid; 5 or more copies, 18 1/2¢ each, f.o.b. Urbana
3003 - Wiring the Farmstead for Electricity
1-4 copies, 40¢ each postpaid; 5 or more copies, 25¢ each, f.o.b. Urbana
*4001 - Collecting and Preparing Soil Samples for Testing
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana
*4002 - Testing Soils for Acidity
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana
*4003 - Testing Soils for Phosphorus
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana
*4004 - Testing Soils for Potassium
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each, f.o.b. Urbana
*4005 - Nature of Soil Acidity and Major Plant Nutrients
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana

*Covers are available for the units starred (*) at a cost of 2¢ each, f.o.b. Urbana, regardless of the quantity ordered.

*4006 - Using Limestone to Correct Soil Acidity
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana
*4007 - Using Phosphorus Fertilizers
1-4 copies, 10¢ each postpaid; 5 or more copies, 3¢ each, f.o.b. Urbana
*4008 - Using Potassium Fertilizers
1-4 copies, 10¢ each postpaid; 5 or more copies 2 1/2¢ each, f.o.b. Urbana
*4009 - Using Nitrogen Fertilizers
1-4 copies, 10¢ each postpaid; 5 or more copies 4 1/2¢ each, f.o.b. Urbana
*4010 - Probable Responses from Use of Fertilizers
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each, f.o.b. Urbana
*4011 - Hunger Signs--A Guide to Soil Improvement
1-4 copies, 20¢ each postpaid; 5 or more copies, 13¢ each, f.o.b. Urbana
4012 - Maintaining Organic Matter in the Soil
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each, f.o.b. Urbana
4013 - Animal Manures on the Farm
1-4 copies, 20¢ each postpaid; 5 or more copies, 5¢ each, f.o.b. Urbana
4014 - Improving Permanent Pastures
1-4 copies, 20¢ each postpaid; 5 or more copies, 6¢ each, f.o.b. Urbana
4015 - Growing Red Clover
1-4 copies, 20¢ each postpaid; 5 or more copies, 8 1/2¢ each, f.o.b. Urbana
4016 - Growing Ladino Clover
1-4 copies, 10¢ each postpaid; 5 or more copies, 4 1/2¢ each, f.o.b. Urbana
4017 - Growing Sweet Clover
1-4 copies, 20¢ each postpaid; 5 or more copies, 8¢ each, f.o.b. Urbana

*Covers are available for the units starred (*), at a cost of 2¢ each, f.o.b. Urbana, regardless of the quantity ordered.

Payment, including postage where prices are f.o.b. Urbana, should accompany all orders totaling less than $5 unless the school or individual has an open account with us because of subscribing to Agricultural Releases or because of having placed an advance order for units for 1956-57. Stamps will be accepted for amounts of $1 or less.

New Units and Advance Orders for Units to be Issued During 1957-58. On August 1 we sent to those on our mailing list and others who have indicated an interest in our materials a form letter giving the following information regarding advance orders for 1957-58. The same information was given to those attending the summer conference.

If Vocational Agriculture Service can be assured of selling enough copies of each of the subject-matter units printed during the 1957-58 school year, the price can be reduced. We are willing to pass the saving on to those who make it possible. Consequently, on all orders placed prior to September 1, 1957, for units Vocational Agriculture Service may release between September 1, 1957, and June 1, 1958, a reduction of 25% will be allowed, subject to the following conditions:

1. That on or before September 1, 1957, Vo-Ag Service receive orders totaling at least 3,000 copies of each unit to be issued between September 1, 1957, and June 1, 1958.

2. That advance orders be for the same number of copies of each and every unit that Vo-Ag Service releases between September 1, 1957, and June 1, 1958.

3. That no advance order be for less than 10 copies of each and every unit.

The 25% reduction will apply to the price to be announced on each unit at the time it is released.

Vocational Agriculture Service guarantees that the total discounted cost of a single set (one copy of each unit issued between September 1, 1957, and June 1, 1958) will not exceed $1.50, f.o.b. Urbana, Illinois ($15.00 per minimum order of 10 sets).

Charges for orders accepted prior to September 1, 1957, will be made against an open account similar to those for Agricultural Release subscribers as given under Items 3 and 4 on the opposite side of this sheet.

NOTE: ADVANCE ORDERS FOR UNITS TO BE RELEASED AT REDUCED PRICES DURING 1957-58 WILL NOT BE ACCEPTED AFTER SEPTEMBER 1, 1957.

None of the following units will be available for distribution before October 1. Unless you placed advance orders as outlined above, we do not wish to accept orders until the units have been announced and priced. Units that will be available between about October 1 and the end of the next school year include:

UNIT	TITLE	NO. OF PAGES
2003	Planning a Sound Land Use Program	16
2004	Principles of Field Arrangement	12
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	12
2006	Selecting the Crops to Grow	12
2007	Estimating Crop Production	8
2008	Farm Record-Keeping	16
3004	Arc Welding	40
3005	Sharpening Hand Tools	16
3006	Selecting Lumber and Other Building Materials	12
4018	Farmstead Windbreaks	8
4019	Seed Treatments	4
4020	Plants Poisonous to Livestock	16
4021	Grass Waterways	8
4022	Inoculation of Legumes	4
4023	Growing Oats	8

UNIT	COURSE	Sem. Cr.
CC01	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]

POLICIES AND PROCEDURES

Payment for Items Purchased Through Vocational Agriculture Service. For years Vocational Agriculture Service has had a policy of accepting orders totaling more than $5.00 on open (charge) account. We request that payment, including postage, accompany all orders totaling less than $5.00 unless the individual or organization ordering has an open account with Vocational Agriculture Service for 1957-58. Open accounts will be set up for the year 1957-58 for those in any one of the four following categories:

1. Agricultural Release subscribers for 1957-58.
2. Those who place advance orders for 10 or more sets of all units to be released during 1957-58.
3. Those who are in approved vocational agriculture departments in Illinois for 1957-58 and not in one of the two preceding groups but who, prior to the first charge to be made, fill out and return the form entitled "Request for an Open (Charge) Account with Vocational Agriculture Service."
4. Any other individual or organization not in one of the three preceding categories who, prior to the first charge to be made, fills out and returns the form entitled "Request for an Open (Charge) Account with Vocational Agriculture Service," and who after sending the completed form is notified by Vocational Agriculture Service that an open account has been set up.

All open accounts will be set up under the following conditions:

1. Charges totaling $5.00 or over will be included in a statement sent at the time an order is received.
2. Charges of less than $5.00 will be accumulated by Vocational Agriculture Service until the total reaches at least $5.00, unless specifically requested to do otherwise on each charge. Between the 1st and the 15th of the first month after the accumulated total has reached $5.00, a statement will be sent.
3. At the end of our fiscal year (June 30, 1958), a final statement will be sent for each open account, regardless of how small the accumulated charge might be.

Adding Items to or Deleting Them From Statements. Whenever you wish to have an item added to or deducted from one of our statements, or any other change made, please return the original (white) copy of the statement with your request so that it as well as our file copies can be corrected.

We try to fill orders on the day they are received, or at least not later than the following day. If you order items one day and send another order the following day and ask that it be put on the same statement, it may be impossible because the first order may already have been shipped and the statement forwarded. M. H.

AIDS, August 1957

Participation of Agricultural Staff Members in Off-Campus Meetings. So far as we know, there have been no recent changes in policy regarding help from the College of Agriculture for evening-school meetings. Since beginning teachers may not be familiar with the policy, however, we are repeating certain parts of it:

a. In order to avoid conflicts and duplication within the county, vocational agriculture teachers should confer with farm advisers before making requests for services of staff members. Teachers may then send their requests either to Vocational Agriculture Service, Room 434 Mumford Hall (Tel. Ext. 186), or direct to the individual or department concerned.

b. Before accepting a request that comes direct to a staff member or a department, the staff member or department should check with Vocational Agriculture Service to determine whether any other member has been secured for the series of meetings.

c. Normally only one speaker will attend any one series of vocational agriculture meetings.

d. As a general policy, no charge will be made for travel unless the meeting requires a special trip that would in the judgment of the head of the department justify such a charge, or unless the meeting is part of a program where funds are available for paying such travel.

Although it is not required that you make your requests through your farm adviser, we believe you will find that procedure advisable. By so doing you may increase your possibilities for getting help from the college, and you may find it possible to secure more than one person for a given series of meetings. Furthermore, it is not likely that you will have to pay travel expenses for help secured from the college through the farm adviser.

You also have the privilege of sending your requests for help direct to Vocational Agriculture Service, to the person you wish to secure, or to the department from which you wish help.

Vocational Agriculture Service is willing to have you send your requests direct to us. It has not been unusual for us to make several phone calls and sometimes several personal calls in attempting to get the help you request. We are glad to be of help, but we feel that there have been times when teachers might have been more certain of getting the person or the help they needed if they had sent their requests direct to the individual. It sometimes happens that a staff member does not have the requested date or dates open, but he may be in the area on some other date near that time and we may not know whether that would fit into your schedule. While we try to follow up on such possibilities, I am sure you can see the advantages of dealing directly with the individual.

AIDS, August 1957

The two suggestions mentioned above, (1) having your farm adviser request the help for you and (2) contacting the individual directly if you do not wish to secure him through your farm adviser, are offered in an attempt to assist you in getting the help you need. M. H.

Boxes of Electrical Wiring Supplies. The following questions and answers may be of help to those interested in using the boxes of electrical wiring supplies during the school year 1957-58.

1. How long may a box of wiring supplies be kept?

The person requesting the box sets the length of time he wishes to keep the material. We ask only that:

a. The time be reasonable.
b. Enough time be allowed to make an extension unnecessary. (We schedule boxes for the time requested and sometimes may not be in a position to grant extensions without interfering with the schedule of another school.)

2. What is the cost of using the materials?

The costs are as follows:

a. Charge for the items broken, damaged, or lost between the time the box arrives at your school and the time it arrives at our building on Florida Avenue.
b. Express charges from and to our building on Florida Avenue. (If preferred, the box can be picked up and delivered to eliminate shipping charges.)
c. A charge of $1.00 per hour for time required to check, recondition, and repack the box.
d. An additional charge of $5.00 per box, regardless of time used. (This will be the first year such a charge has been made, but it is necessary if we are to continue this program. We now have an investment of more than $11,000 in the boxes. No charge has been made to users for that initial cost. From time to time we find it necessary to add new items and remove those that have been discontinued. The $5.00 charge is to help handle some of the expenses relating to such changes.)

The average cost to the 127 users last year, excluding shipping cost (and of course the $5.00 charge under d. above), was $7.83. The range of charges was $1.50 to $27.27.

3. Under what conditions are boxes of supplies loaned?

Boxes are loaned only to Illinois teachers of vocational agriculture and on the basis of signed loan agreements. In the loan agreement the teacher agrees to:

a. Return the box when due (on the basis of the date he sets).
b. Return the material by prepaid express unless he returns it himself.
c. Pay for the time required to check, recondition, and repack the box at $1.00 per hour.
d. Pay the flat charge of $5.00 per box regardless of time used.

4. Can two or more schools use the same box of supplies during a given period of time, thus saving on checking, packing, and other expenses?

   a. Schools can save by two or more using the same box, and Vocational Agriculture Service has no objection to that being done. We, however, will have no part in prorating the charge between two or more schools. We will schedule the box on the basis of a loan agreement signed by one school and for as long as an entire semester or school year if necessary. In that time several schools can use the materials with one set of shipping charges, one set of packing charges, and one flat rate charge of $5.00, but we will bill the one school signing the loan agreement for the entire charge against the box. The individual schools must do their own prorating of charges.

5. How can I remove questions regarding the checking of items in the box when returned?

   By arranging in advance to be present when your box is rechecked. After the boxes are rechecked, we have no way of correcting discrepancies that you think exist.

Prices on Vocational Agriculture Items. In general, Vocational Agriculture Service bases its prices on duplicating and distributing costs and does not attempt to recover salaries and similar costs that go into production of the item. In fairness to all, we have adopted a policy of pricing all items f.o.b. Urbana unless otherwise indicated. This certainly should not handicap those who have an open account with us for 1957-58. Those who do not have an open account and whose orders total less than $5.00 should include postage cost with payment. Any excess amount allowed for postage will be returned. M. H.

Plan for Grouping Charge Orders From Different Divisions of College of Agriculture. Vocational agriculture teachers can now order through Vocational Agriculture Service any charge items distributed by cooperating divisions of the college and have all items charged on a single statement. In general, items will be sent to you by the division that ordinarily distributes them, but the division will charge Vocational Agriculture Service and not your school. We will then bill you on one of our statements. That will make it unnecessary for you to try to remember various policies with respect to payment. It may also enable you to order the minimum of $5.00 and thereby eliminate the need to send payment with your order in case you do not have an open account with Vocational Agriculture Service for 1957-58.

Payment of Postage on Publications. As we have announced at various times in the past, schools ordering bulletins or circulars from the College of Agriculture will be expected to pay transportation costs unless the order is small enough to permit franking the publications. If the order weighs four pounds or less, the shipment can be send by franked mail. Shipments weighing more than that amount will be sent by express collect unless parcel post is cheaper. Vocational Agriculture Service will no longer prepay postage unless you have an open account with us for 1957-58. In such cases we will advance the postage and charge your account.

AIDS, August 1957

Request for Bulletins and Circulars From the College of Agriculture. The following may give you information regarding the policy relating to distribution of bulletins and circulars from the College of Agriculture to those in the vocational agriculture program:

1. You may send requests to VOCATIONAL AGRICULTURE SERVICE for library copies of all Illinois bulletins and circulars needed in your vocational agriculture program. In general, copies distributed through our office are expected to be kept as a part of the agriculture library, although we realize that occasionally you will find it advisable to give a copy of publication(s) to someone who has a particular need for it.

2. You may wish to advise those desiring copies of certain Illinois bulletins and circulars for their personal files to attempt to secure those through their local farm adviser. Where it seems advisable you may wish to make arrangements with your farm adviser for obtaining copies of publications needed for the personal files of those individuals that you are attempting to serve.

3. Order copies of publications for classroom use only if you are sure you can use them to advantage. If in doubt, get a single copy first and examine it carefully to see if it is suited to your purpose.

4. Order the minimum number of copies of publications that will enable you to conduct your work efficiently and effectively. Even if you have 45 students enrolled, you probably will not need 45 copies of a publication, especially if the students meet at different times or can otherwsie arrange to use the same copies.

5. Unless publications requested are in reserve or out of print, your order will usually be filled according to your request if it conforms with the ratings given the publications by the committee of the I.A.V.A.T.

6. The committee rating will be overlooked on publications not rated "S" (suitable for class use) if you present sufficient evidence of need to justify the extra copies. This should include evidence that you are thoroughly familiar with the publication, as well as evidence that the extra copies can and will be used to good advantage in the classroom.

7. Ordering quantities of numerous publications ranked other than "S" by the I.A.V.A.T. committee may indicate a lack of information on your part. Consequently, before ordering quantities of any given publication, make sure that they can be used to good advantage.

NOTE: The committee ratings on publications are no longer available for distribution. Experience has taught us that too many teachers simply follow the plan of ordering according to the committee ratings rather than according to their needs. M. H.

AIDS, August 1957

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PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars		
	May 20	June 20	July 18
Corn, bu	$ 1.20	$ 1.19	$ 1.21
Corn, ground, bu	1.27	1.26	1.28
Oats, bu	.68	.62	.57
Oats, ground, bu	.75	.69	.64
Barley (feed), bu.	1.08	1.00	.95
Barley, ground, bu	1.15	1.07	1.02
Hominy feed, ton	56.00	56.00	56.00
Wheat bran, ton	49.00	47.00	46.00
Shorts and standard middlings, ton	49.00	47.00	48.00
Flour middlings, ton	55.00	53.00	53.00
Red Dog flour, ton	56.00	54.00	54.00
Soybean oilmeal, ton	65.00	62.00	65.00
Linseed meal (37% protein), ton	74.00	65.00	63.00
Cottonseed meal (43% protein), ton	71.00	70.00	71.00
Gluten feed, ton	54.00	50.00	50.00
Tankage, ton	85.00	82.00	90.00
Blood meal, ton.	145.00	146.00	152.00
Beef scrap, ton	76.00	76.00	84.00
Poultry bone, ton.	87.00	85.00	87.00
Garbage and kitchen waste, ton	8.00	8.00	8.00
Skim and buttermilk, cwt	.71	.68	.71
Whole milk, cwt.	3.55	3.40	3.55
Corn silage, ton	12.00	12.00	12.00
Grass silage, ton.			
No preservative added.	8.00	8.00	8.00
Preserved with 70-100 lb. molasses	9.00-10.00	9.00-10.00	9.00-10.00
Preserved with 150-200 lb. ground corn	11.00-12.00	11.00-12.00	11.00-12.00
Clover and mixed hay	16.00	15.00	15.00
Cowpea hay (Add $5 per ton for baled hay and straw)	12.00	12.00	12.00
Soybean hay (Add $5 per ton for baled hay and straw)	12.00	12.00	12.00
Alfalfa hay (Add $5 per ton for baled hay and straw)	17.00	15.00	15.00
Timothy hay (Add $5 per ton for baled hay and straw)	15.00	15.00	15.00
Corn stover, ton	12.00	12.00	12.00
Oat straw, ton	10.00	10.00	10.00

Pasture Rates

Colts and calves, 6 to 12 months old, 4 cents a day
Colts and calves, 12 to 24 months old, 8 cents a day
Cattle, 24 months and over, 10 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 cent a day
Sheep or lambs after weaning, 1 1/2 cents a day

1/ Prepared by C. W. Crawford, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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VO-AG AIDS

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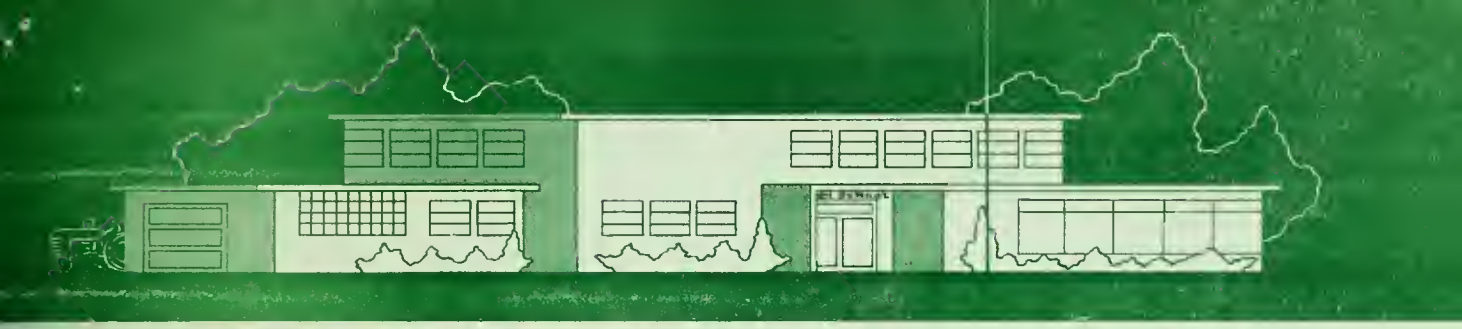
Volume 16, Number 2

September 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education



AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Summer Session, 1957. Seventy-nine Illinois teachers of vocational agriculture, two out-of-state teachers of vocational agriculture, one out-of-state agricultural teacher trainer, and an agricultural educator from Iran attended the 1957 summer session at the University of Illinois. Norbert Pohlman of LaHarpe was chairman of the summer organization of teachers of agriculture. H.M.H.

Illinois Program at the A.V.A. Twelve of the 30 members of the Committee on Agriculture of the Allerton House Conference on Education presented a half-day program on "Planning the Future of Public School Education in Agriculture in Illinois" before the Agricultural Education Division of the American Vocational Association at Philadelphia on August 7. Participants were H. R. Damisch, G. P. Deyoe, H. F. Engelking, H. M. Hamlin, Robert Howey, A. H. Krebs, John W. Matthews, Arthur V. Meadors, L. J. Phipps, H. S. Schaller, and Harvey S. Woods. H.M.H.

Teacher Supply and Demand. Although 67 new teachers of vocational agriculture were qualified in 1956-57, compared with 45 in each of the two previous years, an excess of positions over men has existed since about July 1. Calls for teachers have, as usual, been slow in coming in. Opportunities for agriculturally trained men in other fields have been good. Illinois vacancies will be filled in one way or another, but many good young men, eager to teach, have been lost to the field. H.M.H.

Deyoe at Arizona Conference, Hamlin at Penn State. G. P. Deyoe was speaker and consultant at the summer conference of Arizona teachers of vocational agriculture at Phoenix in June. H. M. Hamlin will spend a week in August as consultant at the annual conference of supervisors of student teachers in vocational agriculture at Pennsylvania State University. H.M.H.

Extramural Classes in Agricultural Education. Ed. 370 for first-year teachers of agriculture got under way August 1 and 2 with a two-day meeting at the University. Ed. 477, Field Studies in Agricultural Education, will be offered in District 1 if ten or more teachers are available; present indications are that they will be. Those who are interested should communicate with G. P. Deyoe, 103 Gregory Hall, Urbana. Classes in Ed. 477 would begin the week of September 16. The course as reorganized provides eight weekly meetings, individual work in their schools with those who are enrolled, and one-half unit of graduate credit. H.M.H.

New Responsibility. H. M. Hamlin has been named to a part-time position as "Coordinator of Services" of the College of Education. This is one of four new positions associated with the Dean's office. The other coordinators deal with graduate work, undergraduate work, and research. H.M.H.

Craddock Continues as Graduate Assistant. John Craddock, formerly the teacher of vocational agriculture at Odell, who served during 1956-57 as a half-time graduate assistant in Agricultural Education, will be a three-fourths-time assistant in 1957-58 with increased responsibilities, including the teaching of one section of the special methods course for seniors and supervision of student teaching. H.M.H.

Wilson in the Philippines. Bonard S. Wilson, who holds three degrees from the University of Illinois and was formerly teacher of vocational agriculture at Noble, Illinois, head of the Department of Agricultural Education at the University of Tennessee, and director of field development for the Adult Education Association of the U.S.A., has been serving since April as director of a project in leadership training in the Philippine Islands under the U. S. State Department.

Beamer in Chile. Rufus W. Beamer, who received the doctor's degree with a major in agricultural education at the University of Illinois, has completed a year of work in agricultural education in Chile while on leave from his position at the University of Tennessee. H.M.H.

Krebs Assumes Editorship of Agricultural Education Magazine. A. H. Krebs took over the editorship of the Agricultural Education Magazine on July 1. H.M.H.

Graduate Enrollments in Agricultural Education, 1956-57. There were 147 enrollments in graduate courses in agricultural education during 1956-57. Of these, 136 were in extramural or summer classes made up almost entirely of teachers of vocational agriculture. H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE DESK OF THE PRESIDENT

The success or failure of our organization rests with the individuals who make up the organization. Committee members and officers carry out their duties within the framework of our constitution as adopted in June 1956. Each member should study the new handbook for members which was distributed by sectional chairmen at the June conference. Page 4 shows the organizational setup of our association. Pages 5 to 9 contain a complete copy of our constitution. Study it so that you can be an informed member. The rest of the handbook is devoted to the activities and duties of our committees. Committee members were selected at a joint meeting of our executive committee, sectional chairmen, and state and university staffs. The appointments represent considerable effort to make wise choices.

Committees met at the time of our June Conference and will meet throughout the year as necessary. The first half day of our 1958 conference will again be devoted to meetings of officers and committees. Each director is charged with the responsibility of working with several committees. The following committee appointments for 1957-1958 were made at the June Conference:

Executive Committee (elected)

President - I. L. Brakensiek, Quincy
Vice-president - Dennis Hocking, Toulon
Secretary-Treasurer - Keith McGuire, Polo (appointed)
Past President - A. V. Meadors, Morris

Directors

District 1, C. E. Wick, Pearl City
District 2, George Irvine, Tonica
District 3, Dean Sims, Liberty
District 4, E. J. Dunphy, Sullivan
District 5, Harold Drake, Waterloo

Teacher Welfare Committees - E. J. Dunphy, Director in Charge

Banquet and Awards Committee
J. A. Twardock, Champaign, Chairman
K. W. Knell, Mahomet
Kermit Esarey, St. Joseph
Charles Schettler, Wapella

Research Committee
V. M. Bokemeier, Freeport, Chairman
Keith Wehner, Rochelle

History Committee
A. V. Meadors, Morris, Chairman

F.F.A. Relations Committees - Dean Sims, Director in Charge

Junior Division, State Fair, Advisory Committee
J. H. Litchfield, Knoxville, Chairman
B. A. Tomlin, Roseville
Paul Nicely, Tampico
C. L. Harn, Fairview
C. N. DeHart, Greenview

Judging Contests and Contest Awards
Ray Dunn, Galesburg, Chairman
Ardell Kimmel, Roodhouse
Willis Woods, Pleasant Hill
Sherwood Jackson, Seneca

Representatives to F.F.A. Foundation
Kenneth Knell, Mahomet
R. E. Brown, Newark
Dennis Hocking, Toulon
George Walker, St. Elmo
Stanley Klaus, Carlinville

Professional Relations Committees - Harold Drake, Director in Charge

I.V.A. Convention Commercial Exhibits Committee
Chester Seibert, Edwardsville

I.V.A. Convention Educational Exhibits Committee
Paul Glaeser, Alton, Chairman
William Fortschneider, Brussels
Ralph Guthrie, State Office

I.V.A. Legislation
Robert Howey, Sycamore, Chairman
Carl Brock, Greenville

Professional Improvement Committees - C. E. Wick, Director in Charge

Advisory Committee to Vo-Ag Service, College of Agriculture
P. E. Gill, Carlyle, Chairman
Duane Gregory, Sherrard
Ronald Meyer, Cissna Park
Frank Young, Washington
M. J. Nicel, Maroa

Advisory Committee to Ag. Educ. Division, College of Education
Rolla Mitchell, Sesser
F. A. Schaper, Aledo
James Savage, Marseilles
Guy Petty, Carrollton

Representatives, Curriculum Study Committee of I.C.P.
A. V. Meadors, Morris
James Golby, Kewanee

Public Relations Committees - George Irvine, Director in Charge

Resolutions Committee
Charles Fisher, Pittsfield, Chairman
Harry Smith, Catlin
Harold Vance, Fulton
Luther Martz, Windsor
R. D. Eiler, Highland

Public Information Committee
C. J. Kuster, Normal, Chairman
Carl Chapman, Oblong
Warren Schmitt, Oregon
Sam Wegman, Tremont
V. A. Green, Rushville
V. E. Burgener, State Office

Newsletter
I. L. Brakensiek, Quincy
A. V. Meadors, Morris

Program Coordination - Dennis Hocking, Vice-President in Charge

I.V.A. Agriculture Division Convention Program
Dennis Hocking, Toulon

Farming Program Record Book Committee
Robert Liehr, Morrison, Chairman
M. V. Heiderscheid, Auburn
Dean Sims, Liberty
William Marshall, St. Charles
G. Donovan Coil, Tolono
Bill Doerr, Raymond
Louis Templeton, Pickneyville
George Irvine, Tonica
R. F. Espenschied, U. of I.
G. P. Deyoe, U. of I.
J. H. Herbst, U. of I.
Ralph Guthrie, State Office

Other Committees

Membership
Keith McGuire, Polo

I.V.A. Representatives
John Ewan, Henry
W. C. Brokaw, Geneseo

Local Policy Development Publication
Arthur Eicken, Augusta
William Martinie, Minonk
Burdette Graham, Macomb

N.V.A.T.A. and A.V.A. Convention

Illinois was well represented at the recent convention of the N.V.A.T.A. and A.V.A. held in Philadelphia. The delegates found the convention valuable professionally and the historical sights interesting.

The National Vocational Agriculture Teachers Association meeting got under way on Friday evening with the state presidents' dinner. Each president presented a short report concerning problems from his state. Your president reported that public relations was the number one problem in Illinois. A large proportion of the presidents stated that they were trying to improve their public relations program.

Regional meetings were held on Saturday and Sunday. Your president's report on Vo-Ag Service in Illinois was well received, and other states seemed rather envious of this unique program available through our College of Agriculture. Vice-President Hocking was the official photographer for the region and did good service in providing good news photos for the delegates.

Other vo-ag teachers from Illinois who were present were Director Harold Drake, J. C. Griffith, Art Twardock, Art Meadors, Walter Baysinger, Bob Howey, and Leon A. Mayer.

Illinois was well represented on various programs with the following participants: Dr. H. M. Hamlin, Dr. G. P. Deyoe, H. R. Damisch, Dr. A. H. Krebs, Dr. Harvey Woods, Dr. Lloyd J. Phipps, H. F. Engelking, J. N. Weiss, John Matthews, Robert Howey, and A. V. Meadors. In addition, Dr. Phipps served as secretary for the combined agriculture groups and Melvin Henderson served on the Teaching Aids Committee. Mr. Hill was also busy attending State Directors' meetings.

The boat trip on the Delaware river for delegates and their families will be long remembered. The Sears Roebuck Foundation proved themselves to be real hosts and the 1,100 passengers returned to the pier at a late hour unanimous in their praise for Mr. A. L. Jones and his staff. The ship's program was also enjoyable. In the distribution of the "loot," Art Meadors was awarded a steel filing cabinet, Dr. Phipps a sewing basket, and your president a set of steak knives.

The combined group was entertained at breakfast on Tuesday by A. & P. and on Thursday by the International Harvester Company. On Wednesday morning the N.V.A.T.A. was entertained at breakfast by the Allis-Chalmers Mfg. Co. Mr. Mark Nicols, the chief speaker, said, "Vo-Ag teachers should divide their day into three equal parts, eight hours for work, eight hours for family and recreation and eight hours for rest. He also said, "It's not the hours you work, but the work you put into the hours that counts."

The inspiration derived from such a meeting is very valuable, and everyone should plan to attend as many N.V.A.T.A. and A.V.A. conventions as possible. Meeting teachers from all over our country will give us a better understanding of our program, and we will come home with a greater appreciation of our own program.

HELP HELP HELP HELP HELP

Supervisors, Directors, Sectional Chairmen, Teacher Trainers, and Members: We need news. Send all news to I. L. Brakensiek, 2229 Payson Avenue, Quincy, Illinois, by the 10th of each month. Activities of members, sectional activities, and state news and activities are of interest to all our members. Mail it in and we will try to include it in the next newsletter.

VO-AG SERVICE

Announcements & Notes

Agricultural Releases (1957-58): Advance Orders for Subject-Matter Units. By the time you receive this issue of the AIDS, the deadline will have passed both for ordering Agricultural Releases and for placing advance orders for subject-matter units. The first shipments of both units and Agricultural Releases will be made about October 1. Soon after September 1, each teacher who has ordered either or both items will receive a form letter by first-class mail for the purpose of verifying or correcting the orders as given on our records. If you have any questions, please contact Vocational Agriculture Service. M.H.

Annual Winter Short Course in Agriculture. We are indebted to H. L. Sharp, Assistant to the Dean, for the following information:

The Seventh Annual Winter Short Course in Agriculture will be held February 3 to March 15, 1958, on the campus in Champaign-Urbana. This is the first time the Short Course has been offered in the spring. The change was made to avoid interrupting the course by the Thanksgiving and Christmas vacations.

Approximately 25 courses will be offered again, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Science, Dairy Science, Forestry and Animal Hygiene.

Housing and meals will be available on the campus. Farmers of all ages (over 18), both men and women, are welcome to enroll.

Residents of Illinois will pay $30 tuition fee plus $10.50 laboratory and supply fee, including hospital and medical service fee and Illini Union fee.

Start now urging prospective students to make plans to attend.

A detailed schedule will be printed and mailed out around December 1, 1957. Inquiries should be directed to H. L. Sharp, Short Course Supervisor, 104 Mumford Hall, Urbana, Illinois. M.H.

Educators Guide to Free Films. We now have in our library a copy of the Seventeenth Annual Edition of "Educators Guide to Free Films." Teachers who are interested in purchasing a copy for their own use can obtain one by writing direct to Educators Progress Service, Randolph, Wisconsin. The price is $7.00.

According to the information accompanying the guide, it now contains 3,880 titles, 842 of which were not listed in the previous edition. M.H.

Educators Guide to Free Slidefilms. Another publication that has been added to our library in the past month is the Ninth Annual Edition of "Educators Guide to Free Slidefilms." This, of course, is published by Educators Progress Service, Randolph, Wisconsin, and the new edition is still $5.00. According to the publisher's foreword, 131 of the 674 titles are new in this edition. Forty-six sets of slidefilms are listed, and 22 of those are new. Ninty-one series are listed as distributing free slidefilms and slides, and 18 of those are new. Teachers who are interested in obtaining a copy for their own use should write to the address indicated. M.H.

Elementary Soil and Water Engineering. During the past month we have received from John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, New York, a book entitled "Elementary Soil and Water Engineering." Our copy is available for review by interested teachers and will be included in any book display we make so long as the edition is current. The book sells at $6.25, and copies can be obtained by writing direct to the publishers. It contains approximately 300 pages and 18 chapters, some of which are Levels and Leveling, Topographic Surveying and Mapping, Soil Erosion, Gully Control, Farm Ponds, and Sprinkler Irrigation.

According to the preface, vocational agriculture teachers, instructors for on-the-job training classes, engineers, county extension directors, contractors, farm managers, farmers, and others who face engineering problems on farm lands may find the information of value. M.H.

Extramural Courses in Agricultural Engineering. From the return of information sheets from section meetings held at the June Conference, it appears that Agricultural Engineering 331, Function, Application, Adjustment, and Management of Farm Machinery, will be offered in the Monmouth area (Section 4) beginning in April 1958 and extending through until October. The definite location has not yet been determined, but it will be announced in a future issue of the AIDS.

No one section reported a minimum number of teachers interested in Agricultural Engineering 381, Farm Electrical Equipment. However, 17 teachers were interested in this course from Sections 2, 7, and 8, and it might be possible to locate this course somewhere in the LaSalle-Mendota-Dixon area within reasonable driving distance for these 17 teachers. Because of other commitments in the department, it will not be possible to offer this course until the second semester. In the meantime, teachers in these sections will be polled to determine whether a minimum of 15 would enroll at a mutually acceptable location.

Interest in other courses was too scattered to warrant attempting to set up any schedules for this year. J.W.M.

Farm and Home Festival - March 27-29, 1958. Many vocational agriculture teachers may already know that Farm and Home Week, as it has been held in past years, is this year to be replaced by the Farm and Home Festival. Dates for the Festival have been set for March 27, 28, and 29. From time to time we will try to carry additional information in the AIDS regarding this activity. M.H.

Farm Record Problem. As was mentioned in the August AIDS, the same problem and key are available as were used last year. It would be well to point out 1957 social security tax rate changes to persons using the 1956 problem. In the 1956 problem, the social security tax rate on cash wages was 4%; this rate has been increased to 4½%. The self-employment tax rate was 3% in the 1956 problem; this rate has been increased to 3 3/8%. J.H.H.

Loan Kits of Surveying Equipment Ready. The loan kits of surveying equipment on which we have been working for more than a year are finally ready to go, complete with subject-matter materials for teaching a suggestive unit in this area.

As was previously announced, we have seven kits and can accommodate only seven sections this year. On the basis of requests received a year ago, there were seven sections in which more than 15 teachers were interested in attending a training course and using one of these kits, as follows: Section 22 - 22 teachers; Section 5 - 19 teachers; Section 2 - 18 teachers; Section 10 - 17 teachers; Section 24 - 17 teachers; Section 14 - 16 teachers; Section 1 - 16 teachers.

Letters are being sent to the chairmen of these sections to learn whether they are still interested and to set a time and place for each training course.

If any of these sections are no longer interested, there will be opportunity for other sections to be included this year. Chairmen of any other sections who wish to be included as alternates should send us lists of interested teachers. J.W.M.

Illinois Swine Herd Improvement Association Notes. Through the thoughtfulness of Mr. Fred Hoppin, Executive Secretary of the I.S.H.I.A., we are able to call the following items to the attention of our readers: The 1957 directory is off the press and copies for vocational agriculture departments and adult classes are available upon request. The next item is the association sale schedule. The Test Station Boar Sale will be held at Princeton at 7:30 p.m. DST on September 16. The regular "Cream of the Crop" Boar and Gilt Sale will be held at Lincoln at 7:30 p.m. CST on October 14. The October 14 sale will have many test station litter mates consigned. M.H.

Planning the Machinery Storage and Shop Structure. Those who visited the display in our Vocational Agriculture Shop and Storage Building the week of the June Conference will recall that we included copies of publications and slidefilms available from the Southern Association of Agricultural Engineering and Vocational Agriculture. A new 8½" x 11" publication in this series was received the past month. It is in color, contains 36 pages, and is entitled "Planning the Machinery Storage and Shop Structure." Some of the topics are What Type of Roof Framing to Use, What Type of Wall Support to Provide, What Types of Doors to Provide, and a Partial List of Available Building Plans.

The information that accompanied our copy, which is available for review in the office, states that it contains 80 illustrations. The discussion covers designs that will supply post-free interiors, means of providing strength against wind and snow, how to provide lightning protection, and comparative fire resistance and weathering ability of different siding and roofing materials. Included is a list of building plans suitable to a wide range of farm conditions. M.H.

Pressure-Sensitive Paper. By the time you receive this issue of the AIDS, our supply of pressure-sensitive paper will probably have been depleted. At this time we have not decided whether we will continue stocking this item. If we decide to order additional quantities, we will announce that fact in a future issue of the AIDS. In the past several years we have sold some 2,000 to 3,000 sheets, and probably the demand has been fairly satisfied. To get a reasonable price, we must order at least 500 sheets at a time, and we question the advisability of stocking that amount at present. Consequently, we suggest that you do not include pressure-sensitive paper in future orders unless we announce that a new supply has been obtained. M.H.

New Publications. Through the courtesy of Mr. Charles J. Lane of the Interstate Publishing Company, we now have copies of DEMONSTRATIONS FOR FARM MECHANICS, DYNAMICS OF GROUP ACTION, and SWINE SCIENCE. These books are available for review by interested teachers or prospective teachers whenever they are in our office and will be included in the book display we expect to make at the next summer conference.

DEMONSTRATIONS FOR FARM MECHANICS is priced at $4.00 less the educational discount. The author is Michael O'Brien of the Department of Agricultural Engineering of the University of California. The book contains more than 240 pages and carries a copyright date of 1957. The preface states, "This text has been written to provide in outline form a demonstration guide for trainees and teachers of farm mechanics. With the farm mechanics field broadening in scope, both the time and abilities of teachers are being strained to cover all the areas of instruction. The scope of this book is that of presenting ideas for planning and giving demonstrations, presenting outlines for a high percent of the needed demonstrations in farm mechanics, and managing and using reference material."

DYNAMICS OF GROUP ACTION lists at $3.95 less the educational discount. The author is D. M. Hall, Assistant Professor of Agricultural Extension here at the University of Illinois. This book also contains more than 240 pages. In the preface the author states, "If you are president of a service club or of a woman's club which has broad objectives, you will be interested in the problems of establishing ideals, goals, and objectives. If you are chairman of a committee of the P.T.A., League of Women Voters, Chamber of Commerce, Business and Professional Women's Clubs, Anti-Defamation League, Community Council, Medical Association, Farm Bureau, a Cooperative Society, or a Labor Union, you will be especially interested in the distinction between membership and reference groups, and in the leadership patterns of each. If you are a member of the program committee for an annual meeting or a convention, you'll want to understand how to involve delegates and get participation. If you are a teacher or leader, you will want to become skillful in problem-solving and in developing leadership skills. If you are an adult educator, an extension specialist, or a trainer of leaders, you will want a great deal of both the theory and practice of group work. If you are a group member not satisfied with the way parts of your community are functioning, you will want to understand the principles of change and how to initiate changes."

SWINE SCIENCE is by M. E. Ensminger, former manager, U.S.D.A. Dixon Springs Project, Robbs, Illinois, and now Chairman of the Department of Animal Science, State College of Washington. This is a second edition and replaces Swine Husbandry. The book contains more than 540 pages distributed over 14 chapters. Some of those are History and Development of the Swine Industry, Types and Breeds of Swine, Establishing the Herd, Selecting and Judging Swine, Breeding Swine, Feeding Swine, Swine Management, and Selecting, Fitting and Showing Swine. The book carries a price of $4.00 less educational discount. Teachers interested in securing copies of any of the publications referred to should send their request direct to Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois. M.H.

Dr. Charles Lange. Through the courtesy of Dr. Charles J. Pipe of the Creative Films Company, we now have copies of DRY MORTALITIS FOR STAY-ALIVES, DUTY-FREE OF GROUP ACTION, and SWING A LEAVER. These book are available for interested teachers or prospective teachers whenever they are in our office and will be included in this book display we expect to make at the next alumni conference.

DYNAMICS OF GROUP ACTION is going to be published by D.C. Iron Pipe Educational Resources. The author is Professor of Physics of the University of Agricultural Engineering of the University of California. The book contains more than 500 pages and carries a copyright date of 1957. The preface states, "This text has been written to provide in our line Iron a demonstration guide to tools and techniques of farm machinery. With the farm mechanics field broadening in scope, both the size and variety of tractors are being increased so that all the modes of instruction. The scope of the book is that of providing those planning and giving demonstrations, persons who will have for a time current material."

DYNAMICS OF GROUP ACTION tips on [illegible] from the syndicate of the author, D. M. Hall, Assistant Professor of Agricultural Education at the University of Illinois. This book also contains more than 500 pages. It [illegible] the purpose the author states, "If you are president of a service club or a church group, you will be interested in the [illegible] of certain [illegible] goals, and objectives. If you are [illegible] of the U.S.A., Bureau of Human Rights, Member of Commerce, Lutheran and Professional Women's Clubs, Area-Information Leagues, Community Council, Medical Association, Farm Bureau, a Cooperative Society, or a Labor Union, you will especially be interested in the discussion between [illegible] and [illegible] in the [illegible] pattern of each. If you are a member of one [illegible] utilize for an annual meeting or a conference, [illegible] to [illegible] you will have [illegible] and per [illegible]. If you are a leader in developing [illegible] want to become skillful in [illegible] and [illegible], or a [illegible] of Labor, If you are an adult educator, an extension agent, or a [illegible] of Labor, you will want a great deal of both the theory and practice of group work. If you are a group member not satisfied with the [illegible] of your community and [illegible], you will want to understand the principles of change and how to [illegible] changes."

DYNAMICS OF GROUP ACTION is by M. H. Cunningham, Farmer Pubs., U.S.A. Office Springs Township, Ogden, Illinois, and may Contain of the Department of Animal Science, State College of Washington. This is a recent edition and reflects Series Husbandry. The book contains more than 340 pages distributed over 18 chapters. Some of these are History and Development of the Swine Industry, Types and Breeds of Swine, Selecting the Herd, Selecting and Judging Breeding Swine, Feeding Swine, Management, and Breeding. The final chapter is a review of [illegible] educational aids. Teachers interested in receiving copies of any of the publications mentioned should request direct to Interstate Printers and Publishers, Inc., Jackson at Van Buren, Danville, Illinois.

M.H.

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August 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.15
Corn, ground, bu.	1.22
Oats, bu.	.56
Oats, ground, bu.	.63
Barley (feed), bu.	.95
Barley ground, bu.	1.02
Hominy feed, ton.	54.00
Wheat bran, ton	44.00
Shorts and standard middlings, ton.	46.00
Flour middlings, ton.	50.00
Red Dog flour, ton.	62.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	63.00
Cottonseed meal (43% protein), ton.	73.00
Gluten feed, ton.	47.00
Tankage, ton.	90.00
Blood meal, ton	148.00
Beef scrap, ton	88.00
Poultry bone, ton	89.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.71
Whole milk, cwt.	3.50
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois

VOCATIONAL AGRICULTURE SERVICE
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VO-AG AIDS

Volume 16, Number 3

October 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

JOHN N. WEISS

John N. Weiss, associate professor of agricultural education, passed away on September 11, 1957, at the age of 60 years following an unexpected heart attack on September 10.

Professor Weiss had served vocational agriculture in Illinois for 36 years, 18 of which were spent as teacher of vocational agriculture at Dixon and 18 in the Division of Agricultural Education, College of Education, University of Illinois.

His wife, Lucille, and three children (Mrs. Priscilla Barron of Dallas, Texas; Dr. Jack Weiss of Rockford, Illinois; and Mrs. Jean Schaller, Phoenix, Arizona) survive him.

He graduated from the Township High School at Geneseo, Illinois. His mother still lives in Geneseo.

He served as second lieutenant of infantry in World War I. He was graduated from the University of Illinois in 1921, where he was a track and football star.

He served in 1928-29 as president of the Illinois Association of Vocational Agriculture Teachers and in 1956 as president of the "I" Men's Association of the University of Illinois.

He pioneered in adult education in agriculture through the public schools, in off-campus student teaching, in swine herd improvement programs, and in the development of freezer-lockers. He was the founder and, until his death, chairman of the National Student Teachers' Conference on Agricultural Education, held annually in Kansas City in connection with the national FFA Convention.

His interest in individual students took precedence over every other interest. He devoted large blocks of time to conferences with them.

Professor Weiss was a key member of the staff in Agricultural Education of the University of Illinois. Always loyal to his colleagues, he was concerned about everything affecting his division. H.M.H.

Advisory Board Meeting. The Advisory Board for the Division of Agricultural Education will hold its first meeting of the year at the University on October 4 and 5. Advisory Board members for 1956-57 are R. E. Dagner, Assumption; Rolla Mitchell, Sesser (Chairman); Guy Petty, Carrollton; James Savage, Marseilles; and F. A. Schaper, Aledo. H.M.H.

Meeting of Committee on Agriculture, Allerton House Conference on Education. The Allerton House Committee on Agriculture will meet on November 7 with the hope of adopting a report to be submitted to the entire conference. The committee has tried to survey the situation in public school education in agriculture in Illinois, to suggest some changes that ought to be considered, and to recommend areas that should receive further intensive study. Twelve members of the committee reported on the project in a half-day session of the Agricultural Education Division of the American Vocational Association in Philadelphia on August 7. H.M.H.

New Professor. Dr. Lloyd J. Phipps was advanced to the rank of professor at the beginning of the new school year. H.M.H.

New Doctor. John W. Matthews of the Vocational Agriculture Service, College of Agriculture, will receive the degree of Ph.D. in Education at the October Commencement. H.M.H.

Education E477 Offered at Two Centers the Fall Semester. During the fall semester, Education E477, Field Studies in Agricultural Education, is being offered at Mt. Carroll and Henry. Eight meetings of each group will be held, and each teacher of vocational agriculture who is enrolled will be visited in his department. Preliminary indications were that about 15 or more teachers would enroll. G.P.D.

Teacher Supply and Demand. Four teaching positions were still vacant on September 12. Nine teachers were listed as being available for placement, but only four or five of these men were actively seeking positions. Most of the available men are returning servicemen.

Because of the shifting of responsibilities occasioned by the passing of Professor J. N. Weiss, more reliance will be placed on Professor Dale Boughman of the Placement Office in handling placement requests in the near future. The temporary representative of the Division of Agricultural Education working with the Teacher Placement Office is H. M. Hamlin. A.H.K.

Source Units on Money Management for Farm People. Nine source units dealing with money management for farm people will soon be made available. These units are for use by teachers of vocational agriculture in planning instruction for various groups, including high school students, young farmers, and adult farmers. Typically, a teacher will procure one copy of each unit in which he is interested. These units will be sold at cost, and in the next few weeks they may be purchased either from the Office of Field Services, College of Education, University of Illinois, or from Vocational Agriculture Service, College of Agriculture, University of Illinois. The exact costs will be indicated in a future issue of the AIDS.

The following source units will be provided:

1. Money Management for High School Boys Enrolled in Vocational Agriculture.

2. The Use of Operating Agreements in the Establishment of a Farm Boy in Farming.

3. Planning to Increase Farm and Farm Family Earnings.

4. Spending the Farm Family Income.

5. Saving and Investing for Farmers.

6. Selecting and Using Credit by Farmers.

7. Selecting and Buying Insurance.

8. Transfer of Property by Farm People.

9. Common Stock Investments for Farmers.

These units were developed by Illinois teachers of vocational agriculture who attended workshops in family finance at the University of Illinois during the past two summers. Assistance was provided by various technical specialists at the University of Illinois who served as consultants. G.P.D.

Recent Publications of the Division of Agricultural Education. Unless otherwise indicated, these publications are available without cost from the Division of Agricultural Education, 103 Gregory Hall, Urbana, Illinois.

Deyoe, George P.. The Importance of Money Management in Farming--Some Implications for Vocational Agriculture. 8 p.

Deyoe, George P., Methods and Materials for Teaching Vocational Agriculture to High School Students. Available from Office of Field Services, College of Education, University of Illinois, at $1.00 a copy. 80 p., illustrated.

Forty Years of Policy Making for Agricultural Education. Record of actions of an Illinois board of education, 1916 to 1956. 1 p.

Hamlin, H. M., Policies, Procedures, and Rules in Organizing and Conducting a Citizens Consulting Committee for Agricultural Education. 6 p.

Hamilin, H. M., Revolution in Agriculture: The Educational Problem. Complete article, abstracted in Better Farming Methods, August 1957. 11 p.

Howey, Robert., A Positive Look Ahead in Vocational Agriculture. Address at Agricultural Education Division, American Vocational Association, December 1956.

Krebs, A. H. (Compiler), Conference of Advisory Committees for Agricultural Education. 1957. 18 p.

Krebs, A. H., Motivation for Record-Keeping. 3 p.

Krebs, A. H., Problem Areas. 5 p.

Krebs, A. H., Summary of Responses by Vocational Agriculture Students to Guidance Problem Check List. 5 p.

Krebs, A. H., First Jobs of Vocational Agriculture Graduates of Illinois High Schools, Class of 1955. 1956. 12 p.

Krebs, A. H., Special "Parent" Meetings for Every Class. 4 p.

Krebs, A. H., Factors Involved in Vocational Classes of Students Enrolled in Agricultural Curricula, University of Illinois. 1955. 18 p.

Phipps, L. J., Soils. Source Materials for Teaching Young and Adult Farmer Courses. Office of Field Services, College of Education, University of Illinois, 1955. 39 p. 65¢.

Policies for Institutional On-Farm Training Program, Monmouth Public Schools, Monmouth, Illinois. 6 p. H.M.H.

Phipps, L. J. and Masters, W. D., Future Farmer to Farmer, A Study of How Students in Vocational Agriculture in Illinois Become Established in Farming. 24 p.

Public School Adult Farmer Education in Illinois. Teachers of vocational agriculture in Illinois are being sent, during the latter part of September, a new publication,"Public School Adult Farmer Education in Illinois." If you do not receive your copy of this publication within a reasonable length of time, please write the Agricultural Education Division for a copy. L.J.P.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the President's Desk

Members of our association were saddened to learn of the sudden death of John Weiss on September 12. Our sympathy goes to his family. We will miss John's genial greeting and the tremendous amount of work he did for vocational agriculture in Illinois. He served our association well as director in 1928-29 and as president in 1929-30. Before coming to the University he taught at Dixon and was widely recognized as an outstanding teacher. Since coming to the University he had taught many of our younger teachers and helped establish them in their first positions.

****

Have you written your legislators and thanked them for supporting Senate Bill 655?

****

"It Starts in the Classroom." This catchy title of a new publication on public relations should make us think. It is true that our public relations start in the classroom and on the home farms of our students. Public relations activities will have little value if our contacts with students (adults and high school) are bad. Perhaps public relations, like charity, begin at home.

****

Many of us have been disturbed by articles and publications yearning for the good old days in education. Now another phase of writing seems to enjoy "taking pot shots" at vocational education. What can we do to reverse this trend? Ideas would be appreciated. Perhaps answers to these questions would be helpful. Are students being kept out of college because they studied vocational agriculture in high school? Do students in college who studied vocational agriculture in high school do as well as those who studied only the traditional college preparatory subjects? What subjects in addition to agriculture do our students study? Do students in vocational agriculture and Future Farmer work learn skills that make for success in college?

Would it be wise for our research committee to set up a study of this sort? Can you gather these facts for your school?

****

Have you written the article describing that effective idea of yours? If not, now is the time to get it done. Send it to Paul Mechling, vice-president of N.V.A.T.A., Lancaster, Ohio, and he will see that it is transmitted to one of our magazines.

****

If you have an article published, be sure to send a clipping to I. L. Brakensiek, 2229 Payson Avenue, Quincy, Illinois. This is necessary so that we can present you with amembership card in "The Thirty-Minute Club" at our banquet next June.

****

It is not too early to start thinking about National Farm-City Week. Bob Howey is a member of the national committee.

****

Should we amend our constitution? Study Article 5, Section 4. Would it be improved if it were changed to insert the word sectional between to and office, and add a second sentence as follows: The candidate for president and vice-president must have had experience as a member of the executive committee and shall not be eligible for a second term for either office.

This idea is in line with the constitution of the N.V.A.T.A. If this idea were adopted, it would simplify the task of our nominating committee and would insure candidates of having a working knowledge of our association. What do you think of this idea? Let your officers know.

****

From the Secretary's Desk

Since six different groups handle your dues, it would be well to contact Keith McGuire,Polo, Illinois, within 60 days after you pay them if no membership cards or subscriptions start arriving. He will then make a follow-up for you.

Your A.V.A. membership runs from December 1 to November 30, your I.A.V.A.T. from July 1 to July 1, your N.V.A.T.A. from July 1 to June 30, and your Ag. Ed. subscription starts when Interstate receives it.

****

I.V.A. Convention,St. Louis,February 27-28 and March 1, 1958

Your president and vice-president spent Saturday, September 14, in St. Louis with the planning group of the I.V.A. Vice-President Hocking is chairman of the agriculture section program to be presented on February 28. Dennis would welcome any suggestions you may have. Other announcements concerning the program will be made in later newsletters. Plan now to be in St. Louis February 28 and March 1.

****

Your executive committee adopted the following budget at their July meeting:

I.A.V.A.T. Budget For 1957-58

Estimated receipts		Estimated expenses	
Dues	$4400	Dues forwarded	$3600
Subscriptions	$ 400	Subscriptions forwarded	$ 400
Profits from I.V.A.	$ 700	A.V.A. Convention expense	$ 500
State judging contest	$ 700	Judging contest expense	$ 600
Total	$6200	Banquet awards	$ 200
		Stationery and postage	$ 150
		Salary, secretary-treasurer	$ 125
		Directors' expense	$ 100
		President's expense	$ 100
		Banquet deficit	$ 50
		Miscellaneous expense	$ 50
		Research committee	$ 40
		Public information committee	$ 45
		Dairy holders' awards	$ 30
		Surplus	$ 210
		Total	$6200

We recently received $429.70 as our share of the profits from last year's I.V.A. convention exhibits. These profits are divided as follows: 25 percent to the I.V.A. and the remainder to affiliate organizations on the basis of membership. The I.A.V.A.T. membership makes up 18 percent of the total I.V.A. membership, so our share was 18 percent. This year's check was the largest we have ever received. Our esimate of $700 in the budget was in error because we did not understand the method used for dividing the profits.

News From The Sections

Section 24

Harold D. E. Homann is president of the Southern Division of the Illinois Education Association. Congratulations, Harold. More of our teachers should take an active part in the I.E.A. We can render valuable service to education as well as develop more appreciation for vocational agriculture.

Section 24 and all members of I.A.V.A.T. are proud to welcome the new agriculture department of the Alexander County Central School. This school is located at Tamms, and Fred M. Greer is the teacher in charge. A new vocational agriculture building with a classroom, shop, laboratory, and office is being constructed under Fred's supervision.

Section 25

Section 25 sponsored an all-day training course in tractor maintenance at Eldorado on August 21. The class was taught by John Matthews of the Agricultural Engineering Department of the College of Agriculture. It included work on actual jobs to be taught during the present school year. A follow-up course is being planned by Supervisor Orval Floyd and H. C. Bishop, teacher at Eldordo.

The annual Sectional Livestock and Vegetable Fair was held at the Saline County Fairgrounds on September 4. Twenty schools from the section had entries in the show.

F.F.A. members from Galatia and Eldorado consigned 43 head of fat steers to the Market Day Show and Sale at National Stockyards in East St. Louis.

Section 25 F.F.A. officers' training school was held on September 11. The Carmi F.F.A. was host for the meeting.

Ed Trovillion is now employed by the Soil Conservation Service. He recently resigned from his position as vocational agriculture teacher at Pope County High School. We wish Ed success in his new work.

Note to Sectional Officers

KEEP THE NEWS COMING. Send it to

I. L. Brakensiek
2229 Payson Avenue
Quincy, Illinois

VO-AG SERVICE

Announcements & Notes

New Subject-Matter Units. On October 15 or shortly thereafter, we will send the first shipment of units to those who placed advance orders. That shipment will include the following:

Unit	Title	No. of pages	Prepaid price 1-4	f.o.b. price 5 or more
2003	Planning a Sound Land Use Program	16	32	16
2004	Principles of Field Arrangement	12	24	12
3004	Arc Welding	40	80	40
4018	Farmstead Windbreaks	8	16	8

Since we cannot ship the foregoing four units until October 15, please do not order before that time. Those who placed advance orders will not need to place a further order unless they wish additional copies.

M.H.

Agricultural Releases. We will ship the first (October) Agricultural Releases for the current school year no later than October 5. We shall try to make shipment by Monday, September 30. So far as we know, our mailing list has been completed and corrected, but if you have subscribed to Agricultural Releases and do not receive the shipment within a reasonable time after October 5, we suggest that you contact our office.

M.H.

Agricultural Engineering Open House. Vocational agriculture teachers will receive an enclosure concerning the Silver Anniversary program for the Agricultural Engineering Department at the University of Illinois on October 18 and 19. A card is enclosed for banquet reservations. The plans for Saturday morning include exhibits and demonstrations of some of the latest developments in electromatic feeding systems and the latest in farm power and machinery, including some developments by commercial companies. There will be displays of working models of soil and water management research structures and also teaching aids and devices used in Agricultural Engineering. All vocational agriculture teachers and students are invited to attend this event.

R.F.E.

Pressure-Sensitive Paper. Our supply of pressure-sensitive paper is entirely exhausted. We have not yet decided whether to stock this item again. We have had several complaints that some of the sheets in the last shipment would not adhere permanently to the cabinet surface. We had no complaints about sheets obtained previously, but since 500 sheets is the minimum order the company will accept and we have already distributed more than 3000, we believe it advisable not to order until we know the new stock will be satisfactory. If we decide to restock the item, we will announce it in a future issue of the AIDS.

M.H.

Chicory, Dodder, and Lettuce Seeds. Envelopes containing seeds of chicory, dodder, and lettuce were distributed at the time of our conference. Following the conference, we kept back a supply that we thought would be sufficient to meet our needs during the year, but our supply is now exhausted. The seeds were obtained from Mr. Roy A. Swanson, vocational agriculture instructor, Thorp, Wisconsin. He tells us that he will sell the packets of seeds (3) for 35¢ postpaid. If you are interested in obtaining them, please contact Mr. Swanson direct and enclose 35¢ with your order.

M.H.

Plastic Fixative Solution - Metal Trays for Soil Monoliths. Clark Laboratory Supply, P. O. Box 17, Urbana, Illinois, is now stocking plastic fixative solutions and metal trays for preparing soil monoliths (permanently fixed soil profile sections). Prices are as follows, f.o.b. Urbana:

Plastic fixative solution. . . . . $1.50 quart
Metal trays 34" x 5" x 1" . . . . . 2.75 each

Detailed instructions for "Preparing Samples of Soil Profiles for Exhibition and Study" will be included with the November Releases.

The Clark Laboratory has now arranged to ship small quantities of various solutions at a cost comparable to the parcel post rate if the shipment could be sent by parcel post. Until this arrangement was made, the transportation charge on small quantities of certain solutions may have cost more than the solution itself.

M.H.

Tape Recordings. The University Recording Service has increased its charge for duplicating single copies of half-hour tape recordings from $1.00 to $1.50. This necessitates an increase in the purchase price of tape recordings as listed in the August Aids from $3.00 to $3.50. Charges for dubbing topics listed in the August issue of the AIDS onto tapes furnished by the school will be $1.50 each. These price changes will be effective on all orders received after October 10, 1957.

M.H.

Profitable Poultry Production. "Profitable Poultry Production," a book of about 400 pages, has been received in our office since the September AIDS. It is published by John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, New York. The list price is $4.95. The preface states, "This book has been written primarily for agricultural students in vocational high schools and departments, technical institutes, and junior colleges. It is hoped that other farm youth and poultry farmers will find it useful. The author has chosen the materials of instruction for those who desire a working skill and knowledge of poultry production."

The book contains 13 chapters, some of which are Choosing Poultry as a Farm Enterprise, Brooding and Rearing of Young Stock, Housing the Poultry Flock, Managing Broilers, Feeding the Poultry Flock, and Culling the Poultry Flock.

Our copy is available for review by those visiting our office and will be included in any book display we make while this edition is current. Contact the publisher if you are interested in securing a copy or copies for your own use.

M.H.

Common Custom Rates for 1955 - Cost of Operating Farm Machines. One item to be included in the October Agricultural Releases is a three-page multilith entitled "Common Custom Rates for 1955 When the Owner of the Rig Furnishes the Fuel." Another is a two-page multilith item entitled "Costs of Operating Farm Machines." We multilithed about 25 more than were needed for Agricultural Release subscribers. If you are interested in obtaining a copy, contact our office and enclose 10¢ for the two publications unless you have a charge account with us.

M.H.

Editorial Office Issues First Film Report. The October Agricultural Releases include the first "Film Report" prepared by the Extension Editorial Office on a new color motion picture film produced by that office. This new film covers the work of Ford County in eliminating brucellosis.

The Film Report contains complete information on the film, with instructions for ordering prints. It is punched for easy filing in a loose-leaf notebook. Film reports covering other films will be issued by the office in the future and will be sent to Agricultural Release subscribers and announced in the AIDS. Readers who are not Agricultural Release subscribers can obtain this report from either the Extension Editor's Office, 330 Mumford Hall, or Vocational Agriculture Service.

H.R-M.H.

Elementary Guide to Free Curriculum Materials. Soon after the September AIDS were released, we received a copy of the Fourteenth Annual Edition (1957) of "Guide to Free Curriculum Materials." It is available from Educators Progress Service at Randolph, Wisconsin. Copies are still $5.50. The foreword states: "Many materials which may be bought are available free to users of the GUIDE, if the GUIDE is mentioned in your request. This information is included in each respective annotation. Were you to purchase these items without benefit of this GUIDE, the purchase price of these items alone would exceed the total cost of the GUIDE. Again, new titles are starred (*)--550 of the 1,258 titles, 43.7% new. 515 sources of free curriculum materials are listed in this edition. This increase from 468 sources a year ago insures a wider diversity of good education enrichment source materials."

M.H.

Income Tax Materials From Internal Revenue Service. We have been informed by the Springfield District Office of the Internal Revenue Service that "Teaching Taxes" kits are being prepared and will be available about December 1. They felt that sending an advance notice to principals and teachers would enable high schools to schedule use of the kits during the period of the greatest value, possibly to coincide with the 1958 income tax filing season--January through mid-April.

The information we received, which was too late for the September AIDS, asked that order blanks be returned by September 20. If you are interested in these materials but have not received them, you may wish to check with your principal or superintendent to find out whether they are still available. If your principal or superintendent does not have this information, you can write the District Office of Internal Revenue. It is our understanding that 76 of the downstate counties are in the Springfield district and the others in the Chicago district.

J.H.H.

New Publications. Three new circulars and two new bulletins have been called to our attention since the last issue of the AIDS. The circulars are 780 - Hog Farrowing Houses and Equipment, 781 - Farm Leases for Illinois, and 782 - Winter Barley, a Feed Insurance Crop for Southern Illinois. The bulletins are 615 - Electronic Controller for Automatic Feed Grinder, and 616 - White Hulless Popcorn. Copies of each of the three circulars will be sent to Agricultural Release subscribers with the October Releases. Because of the technical nature of the two bulletins and their limited interest, neither will be included with the releases. Teachers who are not familiar with the procedure relating to Illinois publications for vocational agriculture programs may secure that information from the August issue of the AIDS.

The fall issue of the Livestock Outlook News (neither a bulletin nor a circular) also has been received in our office since the September AIDS. Copies are being sent to Agricultural Release subscribers with the October Releases.

M.H.

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September 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.11
Corn, ground, bu.	1.18
Oats, bu.	.57
Oats, ground, bu.	.64
Barley (feed), bu.	1.00
Barley ground, bu.	1.07
Hominy feed, ton.	50.00
Wheat bran, ton	48.00
Shorts and standard middlings, ton.	50.00
Flour middlings, ton.	56.00
Red Dog flour, ton.	60.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	72.00
Cottonseed meal (43% protein), ton.	71.00
Gluten feed, ton.	52.00
Tankage, ton.	90.00
Blood meal, ton	148.00
Beef scrap, ton	87.00
Poultry bone, ton	88.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.71
Whole milk, cwt.	3.50
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-12.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	13.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
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VO-AG AIDS

Volume 16, Number 4

November 1957

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

New Publications Arrangement. Under a new arrangement the Division of Agricultural Education will be better able than it has been to prepare, publish, and distribute publications. Costs of new publications will be paid from the revolving fund of the Office of Field Services, College of Education. Many of them will be multilithed by the Vocational Agriculture Service of the College of Agriculture. They will be distributed by the Vocational Agriculture Service and the Office of Field Services. It is assumed that Illinois teachers of vocational agriculture will order them through the Vocational Agriculture Service. The Office of Field Services may be the principal outlet for sales to others in Illinois and to people in other states.

The prices of the publications cover the costs of printing and distributing them. The labor involved in preparing them is not included, and the authors receive no royalties. These arrangements have always been followed in the division when charges have been made for publications. HMH

The Doak Scholarship. The family of the late George W. Doak has set up a scholarship fund to be used by students enrolled in the University of Illinois who are preparing to teach vocational agriculture. Contributions to the memorial fund may be sent to the Metamora, Illinois, National Bank or to Mrs. George W. Doak at Metamora. The fund will be administered through the usual University channels. HMH

Teacher Supply and Demand. As of October 23, there was one vacancy in vocational agriculture in the state. Two inexperienced teachers and two experienced teachers were actively seeking positions. Forty-three students are expecting to qualify to teach during or at the end of the current school year; 67 qualified in 1956-57. HMH

Course for First-Year Teachers. Forty-two teachers are enrolled in Ed. 370, Agricultural Education for First-Year Teachers, the same number as were enrolled in 1956-57. HMH

New Publication on Citizens Committees. A 48-page publication entitled Citizen Participation in Local Policy Making for Public Education by H. M. Hamlin is expected to be available when this newsletter reaches its readers. It may be ordered from the Office of Field Services, College of Education, 309 Gregory Hall, Urbana. The price is 45 cents. HMH

Meeting of Cooperating Teachers. The meeting for the fall semester of the teachers of vocational agriculture cooperating in the student teaching program will be held at the University on November 21 and 22. HMH

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

The sudden death of George Doak was a shock to our membership. George, in his own quiet way, was a great friend and a helpful supervisor. During the years he taught, he was recognized as an excellent teacher and a worthy representative of our profession. He served our association as a director for two terms from 1938 through 1942. Our sympathy goes to Mrs. Doak and family.

****

The next annual convention of N.V.A.T.A. will be held in Buffalo, New York, August 11-15, 1958. Attendance at Philadelphia this summer for the A.V.A. was 2,931 compared with 2,709 for the winter convention in St. Louis. The N.V.A.T.A. convention was attended by 450 teachers in Philadelphia, while 260 attended the St. Louis convention.

Our N.V.A.T.A. officers have begun plans for next year's convention. It's not too early for our teachers to begin planning to take their families to Niagara Falls next summer and also attend the convention at Buffalo.

****

N.V.A.T.A. Vice President Paul Mechling reminds us that Illinois has a goal of ten articles for this year. To date he has not received any articles from Illinois. Will sectional officers urge their teachers to write articles describing their good ideas and send them to Paul at Lancaster, Ohio. It may be necessary to do a little urging to get the articles written.

****

How is the publicity in your section? Do you have a publicity chairman? Items of state-wide interest should be sent to a member of the Public Information Committee or the chairman of the committee, C. J. Kuster, at Normal.

Two important committee meetings were held during the past month. The Judging Contest and Awards Committee, under Chairman Ray Dunn, met in Springfield on October 26. Our Advisory Committee on the Junior Division of the State Fair met with officials of the Fair on November 2 in Urbana. J. H. Litchfield is chairman of this committee. The Farming Program Record Book Committee, under Chairman Bob Liehr, met in Springfield earlier this fall.

Our committees do the work for the organization. Check the list of committee members in the September News. Send your ideas to the proper committee.

****

Vice President Hocking is hard at work on the program for the Ag. Section of the I.V.A. Convention. This meeting will be held in the Jefferson Hotel in St. Louis on February 28. Dennis would appreciate any ideas you may have for the program. He has to complete the program before December 1, so the ideas must be sent soon.

The Executive Committee will meet in St. Louis on the morning of March 1, 1958. Committee chairmen may want to arrange for a meeting of their committees at the time of the I.V.A. Convention.

****

We all get tired of hearing the cry of "Wolf, Wolf," but the price of progress is eternal vigilance. Our national executive secretary, L. E. Cross, sent the following information. We should all study it and then act.

Proposal to Eliminate Federal Aid to Vocational Education

On August 10 a committee of Cabinet members, state governors, and the budget director came up with a proposal to turn a number of activities back to the states and in turn to release certain tax sources for use of the states. In so doing the federal government would discontinue all appropriations for federal grants for vocational education, along with a number of others.

It has been reported that this may be a step to eliminate vocational education in our school system and cripple or destroy the program in local schools, thus paving the way for other federal agencies to step into the picture and do the job of vocational training. Other reports are slanted in various directions. The important thing is: What Do You Do Now?

Suggestions;

1. While your congressmen are home, see that they are contacted and committed to continue support for a strong vocational program within the local schools, as currently provided for under the Smith-Hughes and George-Barden Acts.

2. Federal aid is important to states, and congressmen must be made aware of the importance of continued federal aid.

3. A state newsletter to all of your members is very important at this time to bring about proper action.

A suggested problem in discussions with congressmen is to ask: "Is it the function of Cabinet members to decide on tax and federal aid measures, or is this a congressional responsibility?

****

Will sectional secretaries please send a copy of their minutes to I. L. Brakensiek, 2229 Payson Ave., Quincy, Illinois. They contain news and ideas that can be used in this newsletter.

****

Director Irvine reports an idea that might be used throughout the state: The farm reporter of the Ottawa paper has written a series of articles on various vocational agriculture teachers in the area. The idea has been used in other areas also. The Streator Times-Press recently had an article covering the long and distinguished career of Walter Baysinger as a teacher of vocational agriculture. Sectional officers might suggest this idea to the farm reporters in their sections.

****

The congratulations of our association go to Dr. John Matthews. He will always be John to us, but we are glad to see the Ph. D after his name.

John Herbst is also the proud possessor of a new Ph.D. We extend our congratulations to him on this fine achievement. We also thank John for the work he has done on our new farming record book. We also extend our felicitations to Dr. Phipps on his appointment to a full professorship. This is a tribute to his fine work and a real compliment to the excellent staff in Agricultural Education at the University of Illinois.

****

Our congratulations go to the Agricultural Engineering Department at the University on the celebration of their silver anniversary. Our members appreciate the fine cooperation we have always received from the fine folks in this department.

****

SECTION NEWS

Section 3

Richard Geiger sold the second high boar at the state sale, sponsored by the Illinois Swine Herd Improvement Association, at Princeton. His boar, a Hampshire, sold for $280. Dick raises about 200 hogs a year, and he is a fine example that Ag. teachers can do as well as teach. Congratulations, Dick.

Section 3 has a F.F.A. and Vocational Agriculture Program in which they list all the meetings throughout the year, along with the teachers responsible for the activity. They list a total of seventeen activities with the place, date, and hour of each. Such a program should prove quite helpful.

V. V. Luther, sectional chairman, reports that they have only one twenty-year teacher this year. He is Charles Bain of Spring Valley.

Sections 6 and 7

Sections 6 and 7 met together in Burlington to discuss the new record book. Bill Marshall of St. Charles did an excellent job of explaining the book. An added feature was a discussion of the Illinois F.F.A. Foundation by Ralph Ostrander, director from District 2 of the Foundation. Mr. Engelking summarized the results of the meeting.

Section 8

Teachers from Section 8 met at Serena to discuss the new record book. Bob Jurgens was in charge of the discussions.

(Some earlier news from Section 8 was lost because of a mixup in the mail. This news follows.)

Three teachers in the section welcomed new members into their families during the past year. Mr. and Mrs. Dana Lewis and Mr. and Mrs. Harland Hoffman each have new sons, and a new daughter now calls Mr. and Mrs. Harry White's house her home.

Word from Plainfield is that W. I. Bidner has welcomed cooler weather. The Bidners have a new home on an acre of ground, and the grass cutting is quite a chore for W. I. on hot summer days.

Friends of Steve Fleming will be glad to know that he has recovered from a session with the surgeons this past summer.

Teachers of Section 8 (and others also) were proud to have one of their members, past president Art Meadors, participate in the A.V.A. program in Philadelphia.

Coal City and instructor Joseph DeGulie are enjoying a new classroom and shop this year.

Teachers of the section are glad to welcome D. F. Wiechman as the new teacher at LaSalle.

Stuart Montooth of Earlville enjoyed visiting historical spots in the east on his vacation this summer.

Section 11

This section sponsors two radio programs each week, one at Carthage and one at Macomb. Former president Burdette Graham has been the M.C., and teachers and students from the section have appeared on the programs.

A Dairy and Fat Stock Judging and Type Demonstration was held recently at the Western Illinois University Farm. A fifth animal was used in a type demonstration before the ring was placed by the boys. Reasons were given by the judge after the ring was placed.

Section 11 Leadership Training School was held at Hamilton with F.F.A. President Kimmel as the main speaker. The section is adding extemporaneous speaking as a new activity this year.

Director Dean Sims recently met with the teachers of the section to discuss the new record book.

Section 13

The fall section meeting was held at Siloam State Park. A family "pot-luck" picnic dinner followed the meeting. The F.F.A. Training School was held at Griggsville, with teachers in charge of the various officers. Sectional Chairman Glenn Willard was in charge of arrangements.

Dean Sims presided at the afternoon session of the Mississippi Valley Division of the I.E.A. He is vice president of the division.

A meeting of teachers of the section was held at Griggsville to discuss the new record book. Director Sims was in charge of the instruction and was ably assisted by Supervisor Strubinger.

Section 24

Members of the executive committee will be pleased to learn that B. L. Finley (alias General Custer) is still the chicken-eating champion of southern Illinois. It has been reported that he was challenged by former President--now Supervisor--Floyd, but B. L. won going away as the challenger faded at the finish.

Edwin Thompson was welcomed back to the section. He established a record when he recently returned to Thompsonville as teacher for the third time.

H. W. Homan was manager of the sectional fair for the twentieth time this year. He is also president of the southern division of the I.E.A.

It seems that this is a record-breaking year for Section 24.

Special to Sectional Chairmen

The survey blank mailed to each section has been returned by 19 sections. Copies have not been received from Sections 4, 15, 17, 18, and 19. The results will be summarized and reported in the December News. If your blank was lost, send for another. The results will be needed by November 10 to be included in the summary.

KEEP THE NEWS COMING. MAIL IT TO:

I. L. Brakensiek
2229 Payson Avenue
Quincy, Illinois

VO-AG SERVICE

Announcements & Notes

New Publications. Two new bulletins from the College of Agriculture have been released since the last issue of the AIDS. They are Bulletin 614, "Family Cash Living and Other Outlays as Related to Gross Cash Receipts," and Bulletin 618, "Volumetric Feed Meters."

Copies of these publications are not being sent with the November Agricultural Releases because we felt that interest in the subjects would probably be too limited to make them of much use to most of our Agricultural Release subscribers Teachers interested in obtaining copies can get them by following the usual procedure, but we suggest that you do not order quantities until you have had a chance to review a single copy. M.H.

George Doak Memorial Scholarship

Family and friends of the late George W. Doak of Metamora have established a scholarship fund for students enrolled at the University of Illinois who are preparing to teach vocational agriculture.

In recognition of Doak's service to agricultural education in Illinois, this memorial fund will be used to assist worthy and needy college students to complete their education. Announcement of the scholarship is made jointly by Herbert R. Damisch, chief of agricultural education for the State Board of Vocational Education, Springfield; and H. M. Hamlin, chairman of the agricultural education division, College of Education, and C. D. Smith, assistant dean of the College of Agriculture, both of the University of Illinois.

Prior to his sudden death on September 27, Doak had served the profession of vocational agriculture in Illinois for more than 30 years. He taught at Washburn and Metamora high schools for 20 years. Since 1947 he had been a state supervisor of agricultural education. He was a graduate of the University of Illinois and was widely known and highly respected by teachers, students, and friends.

Contributions to the fund may be sent to the Metamora National Bank or to Mrs. Doak at Metamora. All contributions will be turned over to the University of Illinois Scholarship Committee for distribution.

In addition to his wife, Lois, Doak is survived by a son, Rev. Charles Doak, University of Idaho; and a daughter, Georgia Mae Doak, a senior at the University of Illinois.

Animal Nutrition 301 Available Extramurally. It appears that, if 15 or more enroll, Animal Nutrition 301 can be offered on an extramural basis for the second semester of this school year. Mr. Carl Brock of Greenville tells us that they have a dozen or more teachers in Section 21 who are interested in the course. If offered, it will probably be given in the area of Salem. If some teachers outside Section 21 or others in Section 21 are interested in the course and have not notified Mr. Brock, we would appreciate it if they would let our office know by at least November 15.

Animal Nutrition 301 is entitled "Introduction to Animal Nutrition," It deals with the practical application of science of animal nutrition. It carries 3/4 unit credit, and the tuition fee would be $23.50. M.H.

Lincoln Arc Welding Award Program. We have recently received an announcement concerning the $7,000 Arc Welding Award Program sponsored by the James F. Lincoln Arc Welding Foundation, Cleveland 17, Ohio. From the nature of the announcement, I assume that copies have been sent to all vocational agriculture teachers in Illinois. If you have not received a copy and are interested in receiving one, I suggest that you contact the Lincoln Arc Welding Foundation. M.H.

"Persisting Rural Values." Professor Lindstrom has called our attention to his article entitled "Persisting Rural Values." It can be found in the October 1957 issue of Educational Press Bulletin. He thinks that any teacher who is interested in the article can obtain a copy by writing to the Office of the Superintendent of Public Instruction, Room 302, State Office Building, Springfield, Illinois. M.H.

Machines for Power Farming. During the month we have received one additional book, "Machines for Power Farming." The editors are Archie A. Stone, (emeritus) head, Department of Agricultural Engineering, State University of New York, and Harold E. Gulvin, head, Farm Supply Research, Eastern States Farmers Exchange and formerly vocational agriculture teacher and head, Department of Mechanized Agriculture, University of Rhode Island. This statement accompanied the publication:

"This book is a complete practical guide to selecting, operating, maintaining, and managing the most essential machines used in modern agriculture. It is unique in treating, for the first time, power (the tractor) and the machine as a single unit in actual operation. The close and necessary relationship of the machine and its power is emphasized throughout the book.

"Intended for use at the vocational agriculture level, this book contains shop work exercises, suggested activities and review questions at the end of each chapter, all of which should interest the agriculture instructor. The book is so arranged that any chapter on a specific machine may be abstracted and studied individually as a unit."

The book is published by John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, New York. It is priced at $5.95. Our copy is available for review by any interested teachers when they are in the office. Teachers interested in securing a copy or copies for their own use should write direct to the publishers. M.H.

Plant Food Guide. Last month we saw an announcement in a Nebraska teaching tips section regarding a "Plant Food Guide." We contacted the distributors to find out whether the item would be available for our vocational agriculture teachers. The guide is a pocket-sized device with a sliding mechanism that gives, on one side, the available pounds of N, P_2O_5, and K_2O in various fertilizing materials and, on the other side, the pounds of the three plant food elements removed by various yields of different crops.

We have a letter from Mr. T. M. Reed of the Phillips Petroleum Company stating that the supply of the guide is limited, since it has proved extremely popular. They are willing to send one to every vocational agriculture teacher, but they are not in a position to provide quantities for students. If you are interested in obtaining this guide, send your request direct to the Phillips Petroleum Company, Bartlesville, Oklahoma. M.H.

Soil Experiment Field Meetings. Following is a report from Professor L. B. Miller of the Agronomy Department concerning a meeting held this fall at the Carthage Soil Experiment Field especially for vocational agriculture instructors and students:

"...Each year we try to schedule at least one meeting on each of our permanent experiment fields. New, up-to-date reports of soil treatments, rotations, and yields are provided.

"This year, after our June meeting at Carthage, several vocational agriculture instructors requested a fall meeting especially for their students. Plans were coordinated by Mr. Howard Sheckler, Hancock County Farm Adviser, and relayed to our office. The meeting was held September 16 from 1:00 to 3:00 p.m. Eight of the ten vocational agriculture high school units in the county were represented with a total of 110 students. The instructors decided to keep the attendance near the 100-mark to facilitate travel and discussion. In some cases, the trip was restricted to senior and junior students.

"We believe this event was very worth while and cordially invite other vocational agriculture units to plan similar meetings...." E.L.K.

Second Shipment of Units on Advance Orders. On about December 1 we plan to send a second shipment of units released during the current school year. The first shipment was sent on October 15. The third and final shipment will include the rest of the units that will be distributed this year. We hope all of the units to be included in that shipment can be ready by January 1. If not, the third shipment will be deferred until all can be included. We are not in a position to accept orders for units to be included in the second shipment but will accept orders for those when they are announced in the December issue of the AIDS. M.H.

Faculty-Staff Directory. Dean Howard's office informs us that they have a limited number of 1957 faculty-staff directories of the College of Agriculture. Probably few teachers would be interested in having a copy, but any who are may send their requests either to Dean Howard, 101 Mumford Hall, or to Vocational Agriculture Service. Only a single copy will be available per school, but requests will be filled as received so long as the supply lasts. M.H.

Winter Short Courses in Agriculture and Home Economics. We understand that a folder has already been sent to vocational agriculture teachers in Illinois regarding short courses in vocational agriculture and home economics. Perhaps it will be of interest to note that home economics is being added for the first time. Our attention is also called to the fact that one or two more courses will probably be added to the list. Probably sometime in December a time table of courses will be ready for distribution. If you fail to receive a copy of the advance announcement, you can get one from our office or from the Short Course Supervisor, 104 Mumford Hall, Urbana, Illinois. M.H.

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October 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.03
Corn, ground, bu.	1.10
Oats, bu.	.60
Oats, ground, bu.	.67
Barley (feed), bu.	1.00
Barley ground, bu.	1.07
Hominy feed, ton.	50.00
Wheat bran, ton	42.00
Shorts and standard middlings, ton.	43.00
Flour middlings, ton.	50.00
Red Dog flour, ton.	60.00
Soybean oilmeal, ton.	66.00
Linseed meal (37% protein), ton	63.00
Cottonseed meal (43% protein), ton.	71.00
Gluten feed, ton.	47.00
Tankage, ton.	90.00
Blood meal, ton	145.00
Beef scrap, ton	86.00
Poultry bone, ton	85.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.72
Whole milk, cwt.	3.60
Corn silage, ton.	12.00
Grass silage, ton	
No preservative added	8.00
Preserved with 70-100 lb. molasses.	9.00-10.00
Preserved with 150-200 lb. ground corn.	11.00-17.00
Clover and mixed hay)	16.00
Cowpea hay) Add $5 per ton	12.00
Soybean hay) for baled hay.	12.00
Alfalfa hay) and straw.	17.00
Timothy hay)	15.00
Corn stover, ton.	11.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois

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Volume 16, Number 5

December 1957

Issued jointly by
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Agricultural Education Division, College of Education
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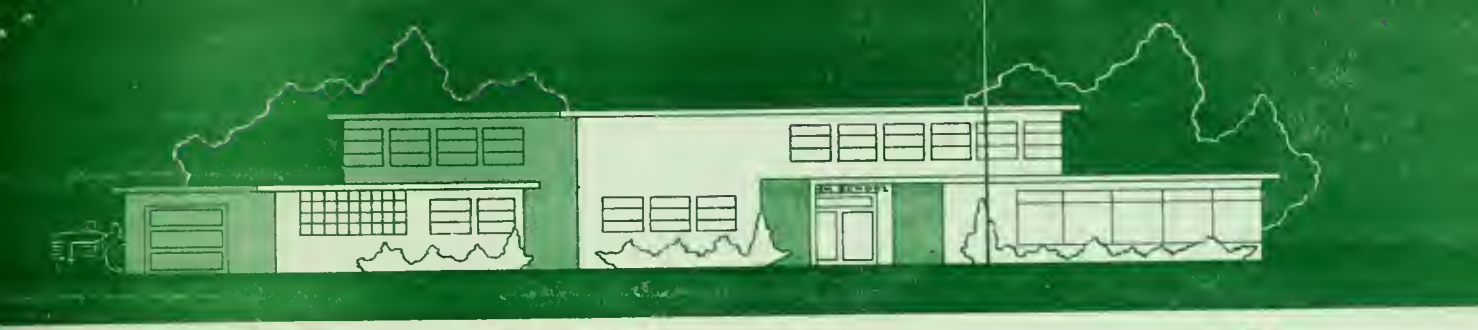

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

December 1957

Teacher Supply and Demand. During October, no calls for teachers of vocational agriculture were received and no teachers were placed. As of November 1, seven experienced teachers were available, two of them returnees from military service and five then employed in various ways. Eleven new graduates become available February 1. Correspondence regarding placement should be directed to M. Dale Baughman, Office of Teacher Placement, 200 Gregory Hall or H. M. Hamlin, 103 Gregory Hall. H.M.H.

Illinois Teachers of Vocational Agriculture in 1957-58. Records of the State Board of Vocational Education indicate that 507 teachers of vocational agriculture are employed this year in 498 schools. There are 17 schools with two teachers. Eight teachers serve two schools. The two-teacher departments in the state are at Albion, Altamont, Aviston, Belvidere, Franklin Grove, Geneseo, Greenville, Hillsboro, Jerseyville, Marengo, Mattoon, Newton, Orangeville, Rochelle, Salem, Serena, and Taylorville. H.M.H.

Workshop of Agricultural Education in General Education. The four-week summer term for 1958 will include a workshop designed for teachers of non-vocational courses in agriculture, teachers of high school subjects that include units on agriculture or should otherwise be closely related to agriculture, elementary school teachers, and administrators who wish to adapt their school systems to agricultural environments. The workshop is intended to help to define the place of agricultural education in general education; to discover appropriate content, methods and materials; and to produce course and unit plans usable by the participants. Dr. George P. Deyoe will be the workshop leader; all members of the staff in Agricultural Education will participate in the workshop as time allows.

The workshop is considered to be an important step toward providing appropriate education in agriculture for the 90 percent or more of the population of the state for whom no systematic arrangements have been made. It is thought that the nuclear group, at least in the first year, will be made up of teachers of vocational agriculture who also teach courses in nonvocational agriculture or who are interested in working more closely with other teachers in their school systems in extending the clientele served by agricultural education. The help of teachers of vocational agriculture in locating and interesting other types of teachers is solicited. H.M.H.

Cooperating Teachers' Conference. The vocational agriculture teachers in the student teaching centers are meeting on the campus with the agricultural education staff on November 21 and 22. This group meets each semester for two days to evaluate and replan the student teaching program in vocational agriculture. Teachers from the following schools will be attending the conference: Cisne, Crescent City, Gibson City, Lawrenceville, Macomb, Mahomet, Minonk, Neoga, Newton, Oblong, Shelbyville, Tolono, and Waverly. L.J.P.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

It was a pleasure to attend one day of the I.A.A. convention in Chicago. The presidents of various associations in the state were entertained at a banquet and introduced from the stage at the evening meeting on Wednesday, November 13. Four members of our association were awarded their 25-year service pins at the general session on Wednesday evening. Teachers honored were V. A. Green, Rushville; Clarence Hanover, Warrensburg; W. C. Brokaw, Geneseo; and N. P. Roberts, Arcola. In addition, three former teachers were awarded service pins. They were E. Gummersheimer, Fred Painter, and L. L. Kimmel.

N.V.A.T.A. News

The executive committee will meet in Denver on November 28, 29, and 30. Region IV will have 2,000 members in the N.V.A.T.A. again. Some regions have not done so well this year. Executive Secretary Cross reports that state secretaries are doing an excellent job of collecting dues.

Michigan Newsletter

We recently received a copy of the November Michigan newsletter. It is interesting to note the similarity between their problems and the ones we have. They are concerned about public relations, appropriations for vocational education, the curriculum for training future vo-ag teachers, conduct of F.F.A. members, and support of professional organizations.

Their legislative committee recommends that each vo-ag teacher who lives near a state legislator contact him and keep him informed regarding the needs of vocational education. This is an idea we might use at all times and not only when the legislature is in session.

Report of Kansas City Meeting

We are indebted to Director Irvine for this report on the Kansas City meeting. Items discussed were summer pay for vo-ag teachers, delegates' expenses to conventions, and federal appropriations for vocational education. L. A. Burkett, A.V.A. assistant executive secretary, suggested that agriculture teachers should get busy and see that people know about their activities and programs. He feels that this is necessary to prevent cuts in or abolishment of federal funds for vocational education.

Our Resolutions

The following recommendations were adopted at our June 1957 meeting:

1. That the University of Illinois be retained as the only approved institution in the state for training teachers of vocational agriculture.

2. That closer relationships of professional workers in agriculture and agricultural education at the county level be continued and encouraged.

3. That teachers of vocational agriculture, county superintendents of schools, and school administrators work more closely in preparing vocational agriculture education programs.

4. That the I.E.A. counsel with any group or organization recommending revision of the teacher tenure law.

Vocational Agriculture and Success in College

The following is quoted from a study conducted at the University of Missouri by Robert P. Bruch. The study involved 1,016 students in the College of Agriculture.

"These data seem to indicate that students who present one or more units of entrance credits in vocational agriculture consistently earn better grades in designated basic courses in the College of Agriculture at the University of Missouri than students without vocational agriculture. A background of vocational agriculture, however, has little bearing upon grades earned in basic courses in botany and zoology."

To Sectional Chairmen

According to our constitution (Article VIII, Sec. 1, Div. b) the sectional chairman is responsible for collecting our dues. The following report from our secretary-treasurer shows that we must do some checking along these lines: "Two sections have not reported yet and there is a total of thirteen (13) delinquent members from sections that have reported."

Our Committees

The Executive Committee of the Illinois F.F.A. Foundation met in Springfield on November 23 to study foundation awards and to recommend revisions.

The I.V.A. Convention Program Committee, consisting of Vice President Dennis Hocking, has arranged an outstanding program for the convention. Our program will be held in the Jefferson Hotel on February 28, starting at 9:30 a.m. There will be up-to-the-minute reports from the Agricultural Education Department, the Vo-Ag Service, and the State Supervisory Staff. We will also hear timely discussions on livestock marketing, agricultural financing, agricultural chemistry, and farm buildings. All I.A.V.A.T. members should mark the date now and plan to be present. Committee chairmen might plan meetings for Saturday morning. The executive committee will meet at the time of the convention.

The Judging Contests and Awards Committee met in Springfield on October 26, 1957. Chairman Ray Dunn presided, with committee members Willis Woods and Sherwood Jackson in attendance. Others present were H. M. Strubinger, Supervisor, Agricultural Education; W. H. Witt, Vocational Agriculture Service; Dean Sims, district director; and I. L. Brakensiek. The group considered the problem in light of the past few years' experience and what could be worked out at the University and at the State Fair for holding the contests. After much thought and investigation, the committee made the following recommendations to the executive committee.

1. That the state judging contests be held on one day, and that final contests be held for the top ten teams where there is a national contest and where there are one hundred or more teams in the preliminary contest.

2. That at least twenty-five teams must make a preliminary entry for the meat or milk contest in order that a contest be held for either of these divisions of the state contest.

3. That the final contest in dairy and fat stock be held in conjunction with the 4-H Club final contests.

4. That awards for the contests be the same as last year.

These recommendations were submitted to the executive committee by mail and were adopted by a majority vote. They will be in force for the 1958 contests.

The Advisory Committee, Division of Agricultural Education, met at Urbana on October 4 and 5. Present were Chairman Rolla Mitchell and committee members R. E. Dagner, James R. Savage, and Guy O. Petty. Dr. Hamlin states that this is a hard-working group that is giving help that is appreciated by members of the division.

The committee reported that vocational agriculture teachers were concerned about what the public expect from their vocational agriculture teachers and also about the large number of vocational agriculture students who drop their advanced classes because they feel that they must take more of the so-called college entrance subjects. The committee recommended a joint meeting with the committee on the preparation of Secondary Teachers of Agriculture to study the problems involved. They also recommended that the staff be given additional time to study the revolutionary changes that are taking place in agriculture.

From the Secretary

Dues and subscriptions for 465 members have been forwarded to I.V.A., A.V.A., N.V.A.T.A., and Agricultural Education. Two sections have not reported, and we have thirteen delinquent members.

News From the Sections

Section 1. Keith McGuire is enjoying a new classroom, conference room, and shop. This is a part of a new million-dollar building.

Section 3. Teachers of the section held their fall meeting at Kewanee and welcomed Merle Horwedel, Buda: Robert Tuttle, Malden; Wineford Legate, Port

Byron: Art Johnson, Annawan: and Dale Baxter, Walnut, as new teachers in the section.

Teachers of the section offered a special salute to Clarence Hatland, who has retired after 35 years of service to the Walnut community.

The Ohio Chapter of F.F.A. and Adviser Lyle Wessels were hosts to the leadership training school for sectional officers. Over 100 were present for this fine program.

The Land Use Selection Contest was held at Geneseo on October 9, with Paul Chaney in charge. Sixteen chapters took part.

Charles McKee was in charge of the section Tractor Rodeo at Manlius on October 10.

Section 10. A surveying school was held at Herscher on Saturday, October 26. Instructors in charge were Professors Ralph Hay and Melvin Henderson from the College of Agriculture. Materials for use in high school classes were left with sectional chairman Eldon Chapman. This material will be available for use throughout the entire school year.

The sectional Grain Show was held at Cissna Park on October 23.

Section 13. The section sponsoring committee for the F.F.A. Foundation met at Mt. Sterling recently and made plans to collect funds.

The section Grain Fair and Judging School was held at Central at Camp Point on November 16. Curtiss Sherman, instructor at Central, was in charge.

Section 23. The sectional meeting with school administrators was held at Aviston on October 23. Dr. W. E. Keeper of Southern Illinois University was the speaker. The group discussed problems and accomplishments of vocational agriculture in their section.

VO-AG SERVICE

Announcements & Notes

New Publications. The following new bulletins and circulars have been called to our attention since the last issue of the AIDS: Circular 779 - Pruning Trees, Shrubs, Roses; Bulletin 617 - Pericarp Injuries in Seed Corn; Bulletin 619 - Graded Egg Marketing in Illinois; and Bulletin 621 - Preservation of Bull Semen at Sub-Zero Temperatures.

Because we were of the opinion that there would be very limited interest in most of these publications, we included in the December Releases only copies of Circular 779. In addition, the College of Agriculture has released an $8\frac{1}{2}$ x 11 publication of approximately twenty-four pages entitled Improving India's Crop Production, by Dr. George H. Dungan.

Professor E. E. Broadbent is author of Bulletin 619. It describes the development of Illinois graded-egg marketing, analyzes the country graded and current-receipt systems, and compares the costs, margins, and quality aspects of Illinois egg marketing with those of competing alternative sources.

Commercial poultrymen, educators, or tradespeople who are interested in developing quality egg marketing programs should find this publication useful in planning their production and marketing.

Copies of these publications for use in the vocational agriculture program in Illinois can be obtained in the regular manner. M.H.

Electric Motor Kits. Probably all vocational agriculture teachers who are interested know that the electric motor kits are distributed and scheduled in the various sections through power supplier representatives. Mr. E. R. Heacock, chairman of the Vo-Ag Electric Projects Committee of the Illinois Farm Electrification Council, has sent us the following up-to-date list of those representatives:

Section	Name	Firm Represented
1	Eugene Hahn	Central Illinois Electric & Gas Co., Rockford, Illinois
	L. R. Herbig	Public Service Company, Div. of Commonwealth Edison Co., Freeport, Illinois
	Frank Svoboda	Public Service Company, Div. of Commonwealth Edison Co., Oregon, Illinois
2	W. E. Gould	Public Service Company, Div. of Commonwealth Edison Co., Morrison, Illinois
	R. A. Leamon	Public Service Company, Div. of Commonwealth Edison Co., Dixon, Illinois
3	Robert J. Brodell	Iowa-Illinois Gas & Electric Co., 2811 - 5th Ave., Rock Island, Illinois
	Fred Darr	Illinois Valley Electric Cooperative, Inc., Princeton, Illinois

Section	Name	Firm Represented
4	Donald H. Parke	Illinois Power Company, Galesburg, Illinois
5	C. W. Cox	Central Illinois Light Company, Peoria, Illinois
	Walter G. Frantzreb	Central Illinois Light Company, Lacon, Illinois
6	Harlan Baker	Public Service Company, Div. of Commonwealth Edison Co., Northbrook, Illinois
	A. C. Petit	Public Service Company, Div. of Commonwealth Edison Co., Belvidere, Illinois
7	O. A. Baur	Public Service Company, Div. of Commonwealth Edison Co., DeKalb, Illinois
	Al Draegert	Public Service Company, Div. of Commonwealth Edison Co., Maywood, Illinois
8	E. G. Galassi	Illinois Power Company 154 Marquette St., LaSalle, Illinois
9	Paul Spangler	Public Service Company, Div. of Commonwealth Edison Co., Pontiac, Illinois
	Joe Crosno	Corn Belt Electric Cooperative, Bloomington, Illinois
10	Ray Gault	Public Service Company, Div. of Commonwealth Edison Co., Kankakee, Illinois
	C. C. Benbow	Central Illinois Public Service Company, Watseka, Illinois
11	Lee Leonard	Western Illinois Electric Co-op., Carthage, Illinois
	Roy Kerr	Central Illinois Public Service Company, Macomb, Illinois
12	Lyle Phillips	Central Illinois Public Service Company, Havana, Illinois
	Leonard Fayhee	Spoon River Electric Co-operative, Inc., Canton, Illinois
13	Dean Searls	Adams Electrical Co-operative, Camp Point, Illinois
	Ben Noble	Central Illinois Public Service Company, Beardstown, Illinois
14	Roy Goode	Rural Electric Convenience Cooperative Co., Auburn, Illinois
	Warren Messett	Central Illinois Public Service Company, Petersburg, Illinois
15	Harold Ellerman	Central Illinois Public Service Company, Jerseyville, Illinois

Section	Name	Main Interested
4	Donald H. Parks	Illinois Power Company, Galesburg, Illinois
5	C. A. Cox	Central Illinois Light Company, Peoria, Illinois
	Walter G. Frankenberg	Central Illinois Light Company, Lacon, Illinois
6	[illegible]	Public Service Company, Div. of Commonwealth Illinois Co., Northbrook, Illinois
	A. J. Petit	Public Service Company, Div. of Commonwealth Illinois Co., Belvidere, Illinois
7	C. S. Baker	Public Service Company, Div. of Commonwealth Illinois Co., DeKalb, Illinois
	Al Dressgert	Public Service Company, Div. of Commonwealth Illinois Co., Maywood, Illinois
8	[illegible] G. Gulnisi	Illinois Power Company [illegible] Ste. Marie, Illinois
9	[illegible]	Public Service Company, Div. of Commonwealth Illinois Co., Dunlap, Illinois
	[illegible]	Corn Belt Electric Cooperative, Bloomington, Illinois
10	[illegible]	Public Service Company, Div. of Commonwealth Illinois Co., Pontiac, Illinois
	[illegible] C. Forbes	Central Illinois Public Service Company, Bloomington, Illinois
11	Leo [illegible]	Central Illinois Electric Company, [illegible], Illinois
	[illegible]	Central Illinois Public Service Company, [illegible], Illinois
12	[illegible]	Central Illinois Public Service Company, [illegible], Illinois
	[illegible]	Spoon River Electric Cooperative, Inc., [illegible], Illinois
13	Dean [illegible]	Adams Electrical Cooperative, [illegible], Illinois
	[illegible]	Central Illinois Public Service Company, Hearbrook, Illinois
14	[illegible]	[illegible] Electric Cooperative, [illegible], Illinois
	[illegible]	Central Illinois Public Service Company, Petersburg, Illinois
15	[illegible]	Central Illinois Public Service Company, [illegible], Illinois

Section	Name	Firm Represented
15	Karl Longenbaugh	Illinois Rural Electric Co., Winchester, Illinois
16	Joe Crosno	Corn Belt Electric Cooperative, Bloomington, Illinois
	Jack Ingham	Illinois Power Company, Decatur, Illinois
17	H. E. Winnemore	Illinois Power Company, Champaign, Illinois
	C. C. Shaw	Central Illinois Public Service Company, Paxton, Illinois
18	Don Hoover	Central Illinois Public Service Company, Hoopeston, Illinois
	T. E. Davis	Illinois Power Company, Danville, Illinois
19	A. A. Francis	Central Illinois Public Service Company, Pana, Illinois
	L. W. Seaman	Shelby Electric Cooperative, Shelbyville, Illinois
20	R. Beasley	Coles-Moultrie Electric Cooperative, Mattoon, Illinois
	C. Mitchell	Norris Electric Cooperative, Newton, Illinois
21	H. G. Downey	Tri-County Electric Cooperative, Inc., Mt. Vernon, Illinois
22	R. Vander Pluym	Clinton County Electric Cooperative, Inc., Breese, Illinois
	Wm. Cuthbertson	Illinois Power Company, Belleville, Illinois
23	C. Mitchell	Norris Electric Cooperative, Newton, Illinois
	Roy L. Morris	Wayne-White County Electric Cooperative, Fairfield, Illinois
24	V. Miltenberger	Southern Illinois Electric Cooperative, Dongola, Illinois
	O. M. Snider	Egyptian Electric Cooperative Assn., Steeleville, Illinois
25	T. H. Ladley	Southeastern Illinois Electric Co-op., Inc., Eldorado, Illinois
	W. J. Hopkins	Central Illinois Public Service Company, Harrisburg, Illinois

M.H.

Source Units. Through cooperation with Agricultural Education and the Office of Field Services, Vocational Agriculture Service is also distributing copies of the following materials:

Titles	No. pages	Price
Money Management for High School Boys Enrolled in Vocational Agriculture	13	$ .15
Planning to Increase Farm and Family Earnings	12	.15
The Use of Operating Agreements in the Establishment of a Farm Boy in Farming	13	.15
Transfer of Property by Farm People	16	.20
Common Stock Investments for Farmers	12	.15
Selecting and Buying Insurance by Farm People	35	.50
Selecting and Using Credit by Farm People	16	.20
Spending the Farm Income	13	.15
Saving and Investing by Farm People	15	.15
Soils	40	.65

The first nine publications were prepared at the Workshop on Education in Family Finance in cooperation with the Division of Agricultural Education. This was, of course, under the supervision of Dr. George P. Deyoe. The prices quoted are prepaid, and a 20 percent discount will be allowed on any 20 copies ordered at one time, whether they are the same or different publications. M.H.

County Standards for 1957. We are indebted to Professor G. B. Whitman for the following information:

Farm Advisers have been furnished with "Standards for 1957" to be used in connection with the Extension Service project in simplified accounting and farm management by Professor George B. Whitman, state project leader.

In sending these "standards" to Farm Advisers, he has suggested "that vocational agriculture teachers would appreciate copies from you." If you would like copies for the counties in your school area, see or write to the Farm Advisers of those counties.

The "standards" are set up for each county in Illinois and give the yields for corn, wheat, soybeans, and oats for highly fertile, average fertile, and low fertile soils for 1957; measures of efficiency for pork, poultry, and dairy production; and standards for labor and power and machinery costs for three types of farms ranging from 40 to 660 acres. M.H.

Commodity Markets and the Public Interest. In a letter received recently from Mr. V. E. Burgener, he mentioned a recent meeting with Mr. Irwin B. Johnson, Director of Public Relations, Board of Trade of the City of Chicago. During that

discussion, his attention was called to a publication dealing with commodity markets. The following information is taken from his letter:

> The report on a symposium, "Commodity Markets and the Public Interest" is available in a limited quantity to interested teachers. This 185-page report contains such information as:
>
> (1) Tour of a grain market
>
> (2) How a soybean processor makes use of futures markets
>
> (3) Factors affecting the quantity of corn placed under loan
>
> (4) Speculation and speculators.
>
> These as well as other sections of the report would seem to be effective reference materials to be used in teaching a unit on grain marketing. The publication may be obtained by writing Mr. Irwin B. Johnson, Director of Public Relations, The Board of Trade of the City of Chicago, 141 West Jackson Boulevard, Chicago 4, Illinois. M.H.

Recommendations for the Junior Department of the 1958 Illinois State Fair. Mr. H. R. Damisch, Chief of Agricultural Education, has sent us the following recommendations as made by the Advisory Committee of the Junior Department for the 1958 Illinois State Fair:

1. Entry Dates

   a. All Juniors need to conform with all regular and Land of Lincoln entry dates and rules applying to the open division classes.

   b. The date of 12:00 noon, August 7, will be the deadline for making entries in the Junior Department. The 1958 Fair dates are August 8 - 17.

   c. It is imperative that the card sent to all teachers and advisers, with July 15 deadline, be returned as of that date and that all entries expected to be made should be reported then. This is essential if stall space and housing of exhibitors can be guaranteed.

2. Land of Lincoln Certification Forms

   In the market barrow and steer classes the official Land of Lincoln Certification Form, or a facsimile thereof, properly attested to by the breed association concerned, will be required before arm cards are issued.

3. Swine

   a. Breeder Feeder Litter shall be three pigs from one litter, not more than one of which may be a barrow and not more than one of which may be a boar.

      The following combinations are possible:

      (a) One boar, one gilt, one barrow

(b) One boar, two gilts

(c) One barrow, two gilts

(d) Three gilts

b. The Landrace Breed has been added to the premium list.

c. Age dates for Senior Pig - February 1 - 25
Age dates for Junior Pig - March 1 or after

4. Admissions

Fair officials announced that it is likely that every exhibitor will need to pay an admission charge each time he enters the fair grounds.

We appreciate the thoughtfulness of Mr. Damisch in making this information available for interested vocational agriculture teachers in Illinois. M.H.

African Violets, Gloxinias, and Their Relatives. Through the thoughtfulness and courtesy of the Macmillan Company, we are privileged to announce their new book, "African Violets, Gloxinias, and Their Relatives." It carries a publication date of 1957, and the copy we have will of course be available for review by any teacher visiting our office. In addition, it will be included in future displays for vocational agriculture teachers as long as it remains the current edition.

The book contains about 320 pages and is priced at $10.00. The announcement that accompanied it reads as follows:

> The growing popularity of African violets as house plants has attracted gardeners to the culture of many lesser known members of the colorful gesneriad family. "African Violets, Gloxinias, and Their Relatives" offers, for the first time, a detailed study of the entire group--almost a hundred kinds are described. Professor Moore presents general information about the gesneriads: where they come from, how they grow in the wild and in cultivation, propagation, pests and diseases, hybrids and hybridization; and he offers a listing and description of gesneriads available in the trade. Technical data is assembled in appendixes, and there is a guide to the pronunciation and meaning of names. Besides the color plates, the book has more than 40 line drawings by Marion Ruff Sheehan. M.H.

New Subject-Matter Units. Seven additional units in the current series are now ready for distribution. In fact, copies have already been sent to those who placed advanced orders for units to be released during 1957-58. The seven units are as follows:

Units	Title	Prepaid price of each (1-4)	f.o.b. price each, 5 or more
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	$ .24	$ .12
2006	Selecting the Crops to Grow	.24	.12
3005	Sharpening Hand Tools	.32	.16
4019	Seed Treatments	.08	.04
4020	Plants Poisonous to Livestock	.32	.16
4021	Grass Waterways	.16	.08
4022	Inoculation of Legumes	.08	.04

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November 20, 1957

PRICE LIST OF FEEDS[1]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.06
Corn, ground, bu.	1.13
Oats, bu.	.62
Oats, ground, bu.	.69
Barley (feed), bu.	.87
Barley, ground, bu.	.94
Hominy feed, ton.	51.00
Wheat bran, ton	43.00
Shorts and standard middlings, ton.	45.00
Flour middlings, ton.	54.00
Red Dog flour, ton.	54.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	63.00
Linseed meal (34% protein), ton, solvent extracted.	65.00
Cottonseed meal (41% protein), ton, solvent extracted	70.00
Gluten feed, ton.	44.00
Tankage, ton.	82.00
Blood meal, ton	125.00
Beef scrap, ton	80.00
Steamed bone meal, ton.	85.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.75
Whole milk, cwt.	3.62
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	14.00
Soybean hay) for baled hay.	15.00
Alfalfa hay) and straw.	18.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

[1] Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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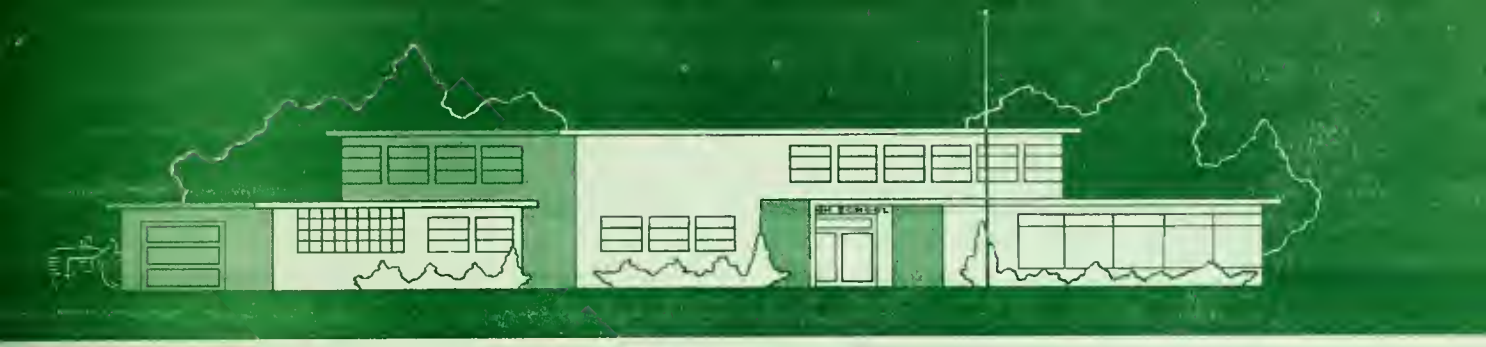
Volume 16, Number 6

January 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

Volume 16, Number 6

January 1958



AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

Teacher Supply and Demand. As of December 13 there were no vacancies in positions in vocational agriculture in Illinois. Four experienced teachers and 13 inexperienced teachers were available for placement immediately or at the end of the first semester (January 25).

During the ten years 1948 to 1957, 559 teachers of vocational agriculture were qualified at the University of Illinois. Of this total, 271 (49 percent) secured positions in vocational agriculture in Illinois immediately on qualification or for the school year following their qualification. Exactly half (34) of the 68 graduates in 1957 have secured positions in vocational agriculture in Illinois.

The adequacy of the supply of vocational agriculture teachers for the state is indicated by the number of teachers of vocational agriculture in Illinois and adjoining states in 1957-58:

Illinois	507
Indiana	385
Iowa	307
Wisconsin	300
Missouri	276
Kentucky	256

Students transferring from other colleges and universities to the University of Illinois to prepare for teaching vocational agriculture have constituted half of all students qualifying. Approximately one-fourth of the transfer students come from each of the following sources: Illinois State Normal University, Western Illinois University, Southern Illinois University, and colleges and universities other than the three listed. H.M.H.

Summer School Plans. We have sent to Illinois vocational agriculture teachers the annual inquiry regarding the courses in Agriculture they wish to have offered in the four-week summer term. All graduate courses in Agricultural Education will be offered, and a special workshop dealing with agricultural education as a phase of general education will be provided. Two of the courses in Education required for the master's degree will be taught: Ed. 301, Philosophy of Education, and Ed. 311, Psychology of Learning for Teachers. It is expected that announcements of the summer offerings will be mailed in February. H.M.H.

Allerton Conference Committee on Agriculture. The Committee on Agriculture of the Allerton House Conference on Education will meet on the campus on January 17 and 18, 1958, to review its proposed final report, which is to be made at the final meeting of the Conference on April 17 and 18. H.M.H.

Meeting of Advisory Board of the Division of Agricultural Education. The Division's advisory board will meet on January 31 and February 1 at the University. On January 31 it will confer with the University's Committee on the Preparation of Secondary School Teachers of Agriculture, whose chairman is Associate Dean H. W. Hannah. The committee has representatives from all departments of the College of Agriculture, the Division of Agricultural Education, and the College of Education. Members of the Advisory Board of the Division of Agricultural Education in 1957-58 are R. E. Dagner, Assumption; Rolla Mitchell, Sesser (chairman); Guy Petty, Carrollton; James R. Savage, Marseilles; and F. A. Schaper, Aledo. The board has met once previously this year--on October 4 and 5, 1957. H.M.H.

Top Students Continue to Prepare for Teaching Vocational Agriculture. Of this year's 52 seniors in the College of Agriculture with grade-point averages of 4 or more, 12 (23 percent) are preparing to teach vocational agriculture. This is a smaller group than in 1956-57, when 24 of the top 50 were prospective teachers. During the five years in which summaries of this type have been prepared, about 30 percent of the top students have been in the curriculum in General Agriculture with a Major in Vocational Agriculture. In recent years about 20 percent of the graduates of the College of Agriculture have prepared for teaching. H.M.H.

New Aids in Working With Citizens Consulting Committees. A five-page mimeographed statement, available without cost from the Division of Agricultural Education and entitled Policies, Procedures, and Rules for a Citizens Consulting Committee for Agricultural Education, suggests a resolution a board of education might adopt in establishing such a committee, procedures which a teacher of agriculture and a superintendent of schools might recommend to a board of education for establishing and managing the committee, and rules which the committee might adopt once it is organized. The new publication suggests procedures which experience has shown to be far superior to some that have been used and that are still being used in launching committees. A 48-page publication, Citizen Participation in Local Policy Making for Public Education by H. M. Hamlin is a revision, extension, and modernization of his previous publication, A Charter for a School-Sponsored System of Citizens Committees. It is available at 45 cents a copy from the Office of Field Services, College of Education, 309 Gregory Hall, Urbana. The principles stated in this publication are the same as those recommended for a consulting committee for agricultural education, so that it may be used by those establishing or conducting such a committee to supplement the special publication on consulting committees for agricultural education. H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

From the President's Desk

We are all aware of the fact that the Joint Federal-State Action Committee has made some recommendations concerning vocational education. A brief summary of these recommendations follows: Repeal as soon as possible federal legislation that authorizes vocational training in agriculture, home economics, trades and industry, distributive occupations, and fishing trades and industries. The group urges the governors and legislatures to raise the funds necessary to replace the federal grants. They also recommend that 40 percent of the tax collected on telephone services be returned to the states to replace the lost federal funds. In Illinois this return might be a considerable sum, but in smaller states the amount returned would be much less than the grants now received.

Activities of Vocational Agriculture Teachers

We have now received survey blanks from 20 sections containing information on 394 teachers. Some of the facts concerning this group are that 83 teach a Sunday School class, 114 are church officers, 106 participate in some other church activity, 202 belong to a service club, and 31 are officers in a service club.

As regards professional organizations, 378 belong to the Illinois Education Association, 208 are members of the National Education Association, 226 hold membership in county associations, and 142 are members of local educational groups. Four are I.E.A. officers, five are officers in county associations, and 12 are officers in their local association; 264 are P.T.A. members and eight are P.T.A. officers.

Our members have "roots" in the community in which they live, as 188 of them own their own homes and seven hold local offices. They include two mayors, one city treasurer, one park commissioner, one town clerk, one conservation board member, and one library board member. Thirty-eight hold reserve officer commissions.

Our members are interested in regular farm organizations: 228 are members of the Farm Bureau, six belong to the Grange, and six to the Farmers Union.

These numbers mean very little by themselves, but they do serve to point up the fact that vocational agriculture teachers do accept their community responsibilities.

Committee's

Recommendations for the Junior Department of the 1958 Illinois State Fair were published in the December Vo-Ag Aids. Representatives from our association who attended the meeting and helped frame the recommendations were James Litchfield, B. A. Tomlin, C. N. DeHart, and Charles Harn. Director Dean Sims was also present to take part in the discussions. Your president attended part of the session and was well pleased by the way this group represented our association. Their knowledge and experience played an important part in developing the recommendations. Our state supervisory staff was represented by H. R. Damisch, chief, and supervisors, V. E. Burgener, H. M. Strubinger, and R. A. Guthrie.

The Executive Committee

The executive committee met for a full day's meeting in Springfield on December 7. Every member of the committee was present and participated in the discussion. A busy day was spent in discussing the future of vocational education in agriculture for Illinois.

The date for the Judging Contest was set for June 24, 1958. Other dates confirmed were the F.F.A. Convention on June 10, 11, and 12; and Summer Conference on June 16 p.m. (Committees), 17, 18, and 19.

Some points of information which came out of the December 7 meeting were:

1. A comprehensive plan for training prospective teachers of vocational agriculture and in-service training for established teachers is expensive. The University of Illinois is spending $100,000 this year to carry out such a program.

2. For the past nine years the average number of prospective teachers trained each year has been 62, and the average number placed in teaching each year has been 30.

3. The State Teachers Certification Board reports that in 1956 the number of students entitled to certificates to teach high school agriculture was 57, and in 1957 the number was 78. As stated above, the average number placed as vocational agriculture teachers in Illinois each year is 30.

I.V.A. Program Committee

The fine meeting arranged by this committee will be held at the Jefferson Hotel in St. Louis on Friday, February 28, 1958, starting at 9:30 a.m. All of our members are urged to attend. Members should be sure to register; it costs only $1.00 and the official badge will admit the wearer to all meetings and the exhibition hall. Some of our members have failed to register in previous years and have not been counted as being in attendance. It is important to the I.A.V.A.T. that all members register and get counted. The full program is as follows:

ILLINOIS ASSOCIATION OF VOCATIONAL AGRICULTURE TEACHERS

Friday, February 28, 1958

Chairman: Dennis Hocking
Host: William Fortschneider
Recorder: Guy Petty

9:30 a.m. Report from Agricultural Education Department, College of Education. H. M. Hamlin, Chairman

9:45 Report from Vocational Agriculture Service, College of Agriculture. Melvin Henderson, Chairman.

10:00 Report from State Supervisory Staff. H. R. Damisch, Chief.

10:45 "Marketing Livestock to Increase Profits." Lewis B. Peggs, Executive Vice-President, National Stockyards and Exchange Foundation, National Stock Yards, Illinois.

11:00 "Financing the Changing Needs of Agriculture in Illinois." T. R. McGuire, Public Relations Director, Federal Intermediate Credit Bank of St. Louis, Missouri.

1:30 p.m. "The Chemical Revolution in Agriculture." L. V. Sherwood, Manager, Agricultural Chemical Section Development Department, Monsanto Chemical Company, St. Louis, Missouri.

2:15 "Buildings That Increase Farm Profits." Robert Rowe, Industrial Division, Doane Agricultural Service, Inc., St. Louis, Missouri.

"The Farm Management Packet." J. A. Neal

Sectional News

Section 1. Our congratulations go to Dean Finch, Forreston. He recently won a drawing in a Quaker Oats contest. He gets a 10 day trip to the Rose Bowl game with all expenses paid. He is also eligible to compete in a corn bread baking contest in which eleven new Edsels are to be awarded to the winners. Perhaps we had better line Dean up to do some baking for our banquet next June. Good luck,Dean.

Section 10. The sympathy of our group goes to Donald Whitten of Cissna Park. He was critically injured in an auto accident on November 13. At the last report he was improving but was still critical and confined to the hospital in Paxton. We hope that he is much improved at this time.

Section 13. F.F.A. members of the section are busy securing contributions to the State F.F.A. Foundation. Dawson Dean, sectional vice-president and the sponsoring committee assigned each chapter a quota. At the last report most of the chapters had secured more than the quota assigned to them.

Section 22. The section teachers, their wives, and school administrators met together at Aviston on November 23. They met for dinner and heard an address on "Venezuelan Agriculture." This was followed by a business meeting. The administrators present were asked to list some of the good things about their vocational agriculture department. Some items mentioned were a good sound basic program, the F.F.A. program, lack of hysteria in our contests, adult classes, farm visitations, state supervision, and the fact that "Ag teachers" are hard workers. A few problems were also listed.

* * * * * *

HELP HElp Help help. Send in your sectional news. Get it to I. L. Brakensiek 2229 Payson Ave., Quincy, Illinois, by the 10th of each month. Minutes of sectional meeting are very helpful.

VO-AG SERVICE

Announcements & Notes

New Publications. One bulletin and one circular have been announced by the College of Agriculture since the last issue of the AIDS. The circular is entitled "Water in Illinois - Your Right to Use It," and carries the number 783. Incidentally, copies will be sent with the January Agricultural Releases. Bulletin 620 is entitled "The Expanding Soybean Meal Market." Because of the limited copies printing and its probable limited use by teachers, copies of this publication will not be included in the January Releases. M.H.

Source Units From Illinois. The source units listed on page 9 of the December issue of the AIDS are somewhat different from the so-called subject-matter units being prepared and distributed by Vocational Agriculture Service. Before you order quantities of the source units, we suggest that you secure and review single copies to make certain that quantities can be used to advantage. Obviously we have no objection to your ordering any number of copies that you wish, but we add this note of precaution primarily because some who order may not be familiar with the nature of these units. M.H.

Crop Removal and Maintenance Guide--Grains--Hays. As a result of a previous announcement in the AIDS, Mr. Allison of Atkinson called our attention to the crop removal and maintenance guide available from the Illinois Farm Supply Company. In response to a letter to that organization, Mr. Wayne W. Marquart has given us the following information:

> The guide gives the pounds of N, P_2O_5 and K_2O removed by different yields of grain and forage crops. It also shows the amount of different materials needed to replace the removals. M.H.

Of Men and Marshes and Citrus Fruits. Through the courtesy of the Macmillan Company, we have received two of their new publications since the last issue of the AIDS. One is entitled "Of Men and Marshes," and the other is "Citrus Fruits." "Of Men and Marshes" contains approximately 150 pages, and some of the chapter headings are: Of Glacial Marshes and Time; Of Marshes and Fall; Of Marshes and Winter; and Of Marshes and Man and Harmonious Use.

The book is priced at $4.50 and perhaps some idea of its nature can be obtained from the following statements taken from the preface:

> The wise ancients, in writing that man does not live by bread alone, doubtless had in mind something similar to what I have, though I do not know that they valued marshes as part of their cultural surroundings. Very possibly they did not, and they may have had reasons not to, for some marshes have meant big problems at some times for some peoples. At any rate, the ancients recognized that there should be more in human experience than making a living.

"Citrus Fruits" contains approximately 450 pages and more than 30 chapters. Some of those are: The Commercial Importance of Citrus Fruits; Sweet Oranges; Locating the Citrus Grove; Tillage Practices; Irrigation; and Spraying, Dusting, and Fumigating. The book is priced at $10.50.

> This definitive handbook provides specific instructions for the cultivation, breeding, propagation, and grafting of every type of citrus fruit. New material includes up-to-date information on citrus stocks, tillage practices, nutritional foliar sprays, cover crops, and, for the home gardener, citrus trees as landscape elements and in pots.

Copies of the two publications are available for review by those interested and will be included in our display in connection with the coming June Conference for vocational agriculture teachers. Teachers wishing copies for individual use should write direct to the publisher. M.H.

January Agricultural Release and Unit Shipments. The January Agricultural Releases will be mailed to release subscribers on December 30. The third and final shipment of units on the basis of advanced orders for units to be distributed during the school year 1957-58 will probably be sent about January 15. If any of you who have placed advanced orders for either units or Agricultural Releases fail to receive them within a reasonable time, we trust you will notify our office. M.H.

Educators Guide to Free Tapes, Scripts, and Transcriptions. Through the thoughtfulness of the Educators Progress Service, we have recently received the Fourth Annual Edition of the Educators Guide to Free Tapes, Scripts, and Transcriptions. The statement that accompanied the guide gives the following information:

> This FOURTH edition lists, classifies, and provides complete information on sources, availability, and contents of 94 free tapes, 297 free scripts and 92 free transcriptions, a total of 483 valuable materials. Of these 224 are new starred (*) titles. Additionally, it gives the busy, alert educator and librarian information on the nature, purposes, and use of these materials not to be found in any other single source.

The price of the guide is still $5.75. The copy which we now have is available for review by anyone visiting our office and will be included in the display to be made at the time of the annual conference for vocational agriculture teachers. M.H.

Extramural Agriculture Courses for the Second Semester 1957-58. Preliminary information regarding extramural courses in Agriculture was sent to vocational agriculture teachers in a special letter. While none of the courses listed can yet be considered absolutely final, it appears that there will be sufficient enrollment to justify offering the following courses:

Agronomy 301 - Soil Survey, With Emphasis on Illinois Soils, is scheduled for meeting in Olney on the Fridays of February 7, 14, and 21.

Agronomy 306 - Fertilizers and Their Soil Reactions, will probably be offered at Jerseyville. The first meeting of those interested is to be held on Wednesday, February 12.

Animal Nutrition 301 - Introduction to Animal Nutrition, is to be held in the Salem High School. The first meeting is scheduled for Monday, February 10 at 7:00 p.m.

Agricultural Engineering 331 will probably not meet until sometime in March or April and is tentatively planned for the Monmouth area. We expect to have more complete details to announce in that regard within the next month or two.

Agricultural Engineering 355 - Advanced Soil and Water Conservation Practices, may not be given. At least to date we have had no requests from any area where it appears that the minimum enrollment of 15 might be obtained. If any area is interested in this particular course, and the minimum enrollment can be obtained, we would appreciate having that information within the near future.

Teachers who are interested in further details regarding these courses and whose names are not already on our list should contact our office. M.H.

Mineral Nutrition and the Balance of Life. We are indebted to the University of Oklahoma Press for the copy of their new publication entitled "Mineral Nutrition and the Balance of Life." It is available from the University of Oklahoma Press at Norman, Oklahoma, at $5.95. The book contains approximately 350 pages. The statement that accompanies it may give the reader some insight into its nature. Part of this statement is as follows:

> In this book each of the essential mineral elements is considered separately--phosphorus, calcium, magnesium, potassium, sulfur, iron, copper, cobalt, manganese, zinc, iodine, boron, molybdenum, aluminum, cilicon, sodium, chlorine, fluorine, arsenic, lead, and selenium. The history, soil relationships, value to plants and animals, deficiency symptoms, and regions of deficiency of each element are discussed clearly and concisely. In addition there is valuable information on analytical methods and on the enzymes, hormones, and vitamins intimately associated with nutrition.

Our copy is available for review and will be included in our future book displays. Teachers wishing copies for their own use should write direct to the publisher. M.H.

Tape Recordings. Two additional tape recordings have recently been made. One discusses questions on insect control in field crops and stored grain, the questions being answered by Professor H. B. Petty. The other deals with questions relating to chemical weed control, the discussion being by Professor Earl Spurrier. Each is approximately 1/2 hour in length and is priced at $3.50, f.o.b. Urbana, Illinois. If you have your own tape on which you wish the material dubbed, the price will be $1.50 for either, plus postage.

The same prices given for the new tapes apply to the following, which were announced in the August issue of the Vo-Ag AIDS: Effect of Microorganisms in the Soil, Deep Tillage, Collecting Soil Samples, How and Why Soils Differ, Soil Acidity and Liming, Leaf Feeding and Foliar Fertilization, Long-Range Soil Fertility Planning, Soil Moisture, Fall and Winter Application of Nitrogen, Soil Nitrogen and Nitrogen Fertilization, Growing Corn on Low-Potash Soils in Southern Illinois. M.H.

Animal Nutrition 301 - Introduction to Animal Nutrition, is to be held in the Union High School. The first meeting is scheduled for Monday, February 10 at [illegible] p.m.

Agricultural Engineering 301 - [illegible] probably [illegible] until [illegible] in March or April and is tentatively planned for the Morrison [illegible]. We expect to have more complete details to announce at that regard within the [illegible] or two.

Agricultural Engineering 305 - Advanced Soil and Water Conservation Practices, may not be given. At least to date we have [illegible] any area where it appears that the minimum enrollment of [illegible] be obtained. If any area is interested in that particular course, and the minimum enrollment can be obtained, we would appreciate having that information within the near future.

Teachers who are interested in further details regarding [illegible] and where [illegible] are not already on our list should contact [illegible]. [illegible]

Mineral Nutrition of the Balance of Life. We are indebted to the University of Oklahoma Press for the copy of [illegible] new [illegible] "Mineral Nutrition and the Balance of Life." It is available from the University of Oklahoma Press at Norman, Oklahoma, at $[illegible]. The book contains approximately [illegible] pages. The statement that accompanies it may give the reader [illegible] into its nature. Part of this statement is as follows:

> In this book each of the essential mineral elements is considered separately--phosphorus, calcium, magnesium, potassium, sulfur, iron, copper, cobalt, manganese, zinc, iodine, fluorine, molybdenum, aluminum, silicon, sodium, chlorine, fluorine, arsenic, lead, and selenium. The history, soil relationships, value to plants and animals, [illegible] systems, and regions of [illegible] [illegible] and [illegible] clearly and [illegible]. In addition there is valuable information in [illegible] and [illegible] [illegible], [illegible], and [illegible] [illegible] with [illegible].

Our copy is available for review and will be included in our future book displays. Teachers wanting copies for [illegible] use should write [illegible] the publisher. [illegible]

Tape Recording. Two additional tape recordings have [illegible] made. One discusses questions on insect control in fine crops and [illegible], the questions being answered by Professor [illegible]. The other deals with questions relating to [illegible] weed control, the [illegible] being [illegible] Earl Spurrier. Each is approximately [illegible] hour in length and is priced at $[illegible], [illegible], Urbana, Illinois. If you have your own tape or [illegible] you wish the material dubbed, the price will be $[illegible] for either, [illegible] postage.

The same prices given for the new tapes apply to the following, which were announced in the August issue of the Vo-Ag [illegible]: Effect of Microorganisms in the Soil, Deep Tillage, Collecting Soil Samples, [illegible] and Why Soils Differ, Soil Acidity and Liming, Leaf Feeding and Foliar Vertilization, [illegible] Soil Fertility Planning, Soil Moisture, Soil and Winter Application of Nitrogen, Soil Nitrogen and [illegible] Fertilization, Growing Corn on Low-Fertile Soils in Southern Illinois. [illegible]

Arc Welding Lessons. Through the cooperation of the James F. Lincoln Arc Welding Foundation of Cleveland, Ohio, we have received a copy of the second edition of "Arc Welding Lessons for School and Farm Shop." This edition contains approximately 350 pages and is divided into three main parts. Part I, entitled "Information Lessons," covers such topics as selecting and caring for arc welding equipment, selecting welding electrodes and the like. Part II, entitled "Operations to Develop Skill In Using Arc Welding Equipment," includes striking an arc and running a flat bead, butt welding in various positions, and soldering with arc welding equipment. Part III is devoted to arc welded project. The book is priced at $1.00, and those interested should order copies direct from the James F. Lincoln Arc Welding Foundation. Our copy is available for review and will be included in future book displays. M.H.

Farm and Home Festival. This year the College of Agriculture is planning a three-day FARM AND HOME FESTIVAL for March 27, 28, and 29. This FESTIVAL is to replace the traditional Farm and Home Week. We will try to see that Vocational Agriculture instructors receive all promotional materials sent to any other organized group. Your high school principal will receive a notice and an invitation to attend the FESTIVAL. All further information for the school will be sent to the Vocational Agriculture instructor. Home economics teachers and guidance workers may look to you for further information. We hope that you will disseminate this information regarding the FESTIVAL. M.H.

Subject Matter Units From Vocational Agriculture Service as of January 15, 1958.

UNITS	TITLE	1 - 4	5 or more
1001	Caring for the Sheep Flock During Breeding and Gestation	$.20	$.05
1002	Artificial Insemination	.20	.06
1003	Selecting and Purchasing Sheep	.20	.06
1004	Diseases of Sheep	.20	.08
1005	Internal Parasites of Sheep	.20	.05½
1006	External Parasites of Sheep	.20	.05½
1007	Capons and Caponizing	.20	.05½
1008	Testing Milk for Butterfat	.20	.05
2001	Farm Planning for Long-Time Profits	.10	.04½
2002	Making an Inventory of Farm Resources	.25	.11½
2003	Planning a Sound Land Use Program	.32	.16
2004	Principles of Field Arrangement	.24	.12
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	.24	.12
2006	Selecting the Crops to Grow	.24	.12

Ann Weldon Bureau. Our up-to-the-minute [illegible] Ann Lewis F. Morris
Ann Weldon Publications, Chicago, Ohio. We have received a copy of the second
edition of "Ann Weldon Lessons for Pencil and Pen Work". This contains
approximately 30 pages and is divided into three main parts. Part I. entitled
"Introduction Lessons," contains brief notice as selecting and caring for writing
equipment, [illegible] elementary exercises and the like. Part II. entitled "Upper-
Case to Pencil Skill" is [illegible] Lower Case Alphabet, and Part III. entitled
"Rapid Writing" [illegible] in various positions, and [illegible]
[illegible] explained. Part III is devoted to more [illegible]. The book is
priced at $1.00, and these interested should order [illegible] from the Ann
Weldon Bureau Publications. Our copy is available for review and will be
included in future [illegible].

H.K.

Penn and Lore Typing. Miss [illegible] the College of Agriculture is plan-
ning a three-day visit to [illegible] for March 6[illegible], and [illegible] PENTYPE
is to replace the typewriters [illegible] and Lore Penn. We will try to get [illegible]
[illegible] interesting [illegible] articles [illegible] to any other organi-
zed group. Miss [illegible] Bridgeport will receive a [illegible] and an [illegible]
around the PENTYPE. All typewriter information for the school will be sent to the
local Agriculture Instructor. Miss [illegible] and evidence [illegible]
may look to you for [illegible] information. We hope that you will [illegible]
information regarding the PENTYPE.

M.E.

Typing Work Data from Agricultural Experiment Service as of January 1, 1950.

Code	Item	1 - 4	5 or more
1001	Cutting [illegible] Stencil and Typing	[illegible]	[illegible]
1002	Artificial Insemination	.80	.65
1003	Operation and Purchasing Sheep	.70	.56
1004	Diseases of Sheep	.75	.60
1005	Internal Parasites of Sheep	.70	.55
1006	Internal Parasites of Sheep	.65	.50
1007	Legume and Cooperative	.60	.45
1008	Testing Milk for Butterfat	.70	.55
1011	Farm Plans for Irrigated Lands	.60	.45
1012	Weather or Insects, a Farm Insurance	.65	.50
1013	Planning a Good Dog Program	.75	.60
1014	Principles of Field Judging	.85	.70
1015	Determining the Crop of Corn, Soil Preparation		
	Implements, and Plant Insect	.85	.70
1016	Planning the Crops to Grow	.75	.60

UNITS	TITLE	1 - 4	5 or more
2007	Estimating Crop Production	$.16	$.08
2008	Farm Record Keeping	.32	.16
2009	Using the Illinois Farm Record Book	.16	.08
3001	Oxy-Acetylene Welding	.30	.17½
3002	Farm Metal Work	.30	.18½
3003	Wiring the Farmstead for Electricity	.40	.25
3004	Arc Welding	.80	.40
3005	Sharpening Hand Tools	.32	.16
3006	Selecting Lumber and Other Building Materials	.24	.12
4001	Collecting and Preparing Soil Samples for Testing	.10	.03
4002	Testing Soils for Acidity	.10	.03
4003	Testing Soils for Phosphorus	.10	.03
4004	Testing Soils for Potassium	.10	.04½
4005	Nature of Soil Acidity and Major Plant Nutrients	.10	.03
4006	Using Limestone to Correct Soil Acidity	.10	.03
4007	Using Phosphorus Fertilizers	.10	.03
4008	Using Potassium Fertilizers	.10	.02½
4009	Using Nitrogen Fertilizers	.10	.04½
4010	Probable Responses from Use of Fertilizers	.10	.04½
4011	Hunger Signs--A Guide to Soil Improvement	.20	.13
4012	Maintaining Organic Matter in the Soil	.10	.04½
4013	Animal Manures on the Farm	.20	.05
4014	Improving Permanent Pastures	.20	.06
4015	Growing Red Clover	.20	.08½
4016	Growing Ladino Clover	.10	.04½
4017	Growing Sweet Clover	.20	.08
4018	Farmstead Windbreaks	.16	.08

UNITS	TITLE	1 - 4	5 or more
4019	Seed Treatments	$.08	$.04
4020	Plants Poisonous to Livestock	.32	.16
4021	Grass Waterways	.16	.08
4022	Inoculation of Legumes	.08	.04
4023	Growing Oats	.16	.08

1958 Winter Short Course in Agriculture and Home Economics. We understand that an announcement of the 1958 winter short course in agriculture and home economics and application blanks for registration therein has already been sent to vocational agriculture teachers. If any wishing copies fail to receive them, please notify our office and we will see that the request is forwarded to the proper source. Probably prospective students will be interested to note that courses are being offered this year for girls as well as boys. In case additional registration blanks are needed, they can be obtained from the source indicated on the announcement or possibly from your local bank. Those interested may also wish to find out whether the local bank is offering a scholarship for one or more individuals from their area. M.H.

The Benefits of a Modern Seed Treatment. In a recent letter from Mr. C. Kirk McComb, Advertising Manager of Panogen, Inc., is information to the effect that they have a second printing of their booklet entitled "Benefits of a Modern Seed Treatment." He mentions that since the booklets are rather expensive to reproduce, he has limited the requests of single copies but that there was no restriction on the number of copies he will send to teachers. The only request is for the teachers to make sure that the booklets are properly distributed. Accompanying his letter was a page taken from the Grain and Feed Review. It contained the following information regarding the publication:

> A new, profusely illustrated 16-page booklet on modern seed treatment has been released by Panogen, Inc., of Ringwood, Illinois.
>
> The booklet is written in easy-to-read, non-technical language for classroom and farm use. It describes how seed treatment works, when it pays to treat seed, and how it contributes to better stands, greater seedling vigor, larger yields, and improved crop quality.
>
> Separate sections are devoted to wheat, oats, cotton, barley, flax, rice and sorghum. Diseases and treating results are described for each crop. Nearly 50 photos are included.
>
> A free copy of the booklet may be obtained by writing Panogen, Inc., Ringwood, Illinois. M.H.

Soil Color Charts Available

How many sacks or bottles of soil samples do you have marked "Very Light," "Light," "Moderately Dark," and "Dark" which you use when teaching soil color? How

"Light," "Lighter by Hand," and "Dark," which you use when [illegible]

[illegible]

Still Color Charts Available

Free copy of the booklet may be obtained by writing Textogen, Inc., Milwaukee, Illinois.

Depends entirely upon desired to dress, curls, contour, bodily flow, line and coaxing. Dresser and tube-by texture are [illegible] for every use. Nearly 50 waves are included.

Inc., [illegible] every [illegible] [illegible] [illegible]

would you like to have 84 soil colors mounted in one compact, neat and clean 5" x 7½" notebook which you can use for comparing and determining the color of soils.

Many teachers have said that they would like for Vocational Agriculture Service to make the Munsell Soil Color Charts available. By special arrangement with the Munsell Color Company a set of Soil Color Charts has been prepared especially for vocational agriculture teachers and students. Their regular set of soil color charts used by soil survey and SCS personnel sells for $18.50. The special Vo-ag sets are made up from the same basic materials. There are four main differences. (1) The special Vo-ag sets include only the three color charts important for Illinois soils. (The $18.50 set includes 7 charts to be used for U. S. soils.) (2) Acetate overlays, to aid in classifying soils into broad color classifications as given on the Illinois Land Use Selection score card, have been added. (3) You will be sent charts with color chips not mounted. (4) The price of the Vo-ag set is $2.75.

Instructions for mounting are included and this is a simple job which one of your students can do. The Munsell Company has previously made similar unassembled color charts available to art classes at a special price, but this is the first time that soil color charts are being made available on this basis at a reduced price.

Your set of soil color charts will include the following:

1. Three gray mounting charts.

2. Eighty-four color chips to mount on the charts (each chip is marked to aid in assembly).

3. Three "color names diagrams." (These enable you to describe a soil not only by the Munsell numerical notation but also by a name such as "grayish brown.")

4. Three transparent acetate overlays divided into the four divisions - Dark, Moderately Dark, Light, and Very Light. These divisions are the ones used on the Land Use Selection score card and have been recommended by Soil Survey and SCS.

5. Three masks: white, gray, and black to aid in selection of color by masking out all except 4 colors at one time.

6. Explanations and instructions for assembling and use.

We assembled 50 sets this summer. Dr. Odell of Soil Survey asked for our first 12 sets and the remainder were purchased by teachers who had attended Soils Workshops held last spring and summer. We now have a second 50 sets assembled and would suggest placing your order early if you want to be assured of having a set when you are ready to teach this unit. E.L.K.

would you like to have an oil color matched in the shop, may we ask [illegible] a
picture, which you can use for comparing the [illegible] of paint?

[illegible] Members there [illegible] Art Supply [illegible] For Wholesale Art
[illegible] to [illegible] the Russell Color Company [illegible] Top Grade Available. By special arrange-
[illegible] the Russell Color Company a set of Bell Color Charts has been [illegible] and
[illegible] for wholesale Art Institute members and students. Their regular net
[illegible] color charts need My only cost $2.50 personnel cells for $1.50. The
[illegible] Vo-ag cost are made up from whole round numbers. There are four main
[illegible]: (1) the special Vo-ag mole includes only the basic colors shorts in-
[illegible] for Illinois rural. (The $2.50 Inc. also [illegible] to be used for [illegible].) (2) Acetate [illegible] be sold in clandestine cells into proof color [illegible]
[illegible] be given on the Illinois Line the Selection would only, more [illegible].
[illegible]) The will be cost shorts with color strips not included. (4) The price of the
[illegible] set is $1.75.

Unsurpassed for rendering the finished oil This is [illegible] on the
of your student a can to The Russell Company has previously made a color [illegible]
color charts available to art teacher as a special price, but now it is the first time
that [illegible] color charts are being made available on this basis at a reduced price.

Your set of oil color charts will include the following:

1. Short [illegible] mixing chart.

2. Slightly-[illegible] color chip to mount on the chart. (A [illegible] is
   [illegible] to mail to [illegible].

3. Price "Color [illegible] Hints." (These [illegible] [illegible]
   a well [illegible] by the Russell [illegible] based on [illegible]
   a real [illegible] "Hints.")

4. Three [illegible] cards [illegible] Living Line [illegible]
   [illegible] - Dark, Medium, Light, or Pale, Light. Each
   [illegible] on the other card. The Card Use [illegible]
   [illegible] by Russell Color [illegible].

5. Three Master [illegible] [illegible], and Black [illegible] in Selection of
   [illegible] [illegible] [illegible] accuracy [illegible] at [illegible]:

6. Complete [illegible] Instructions for assembling and use.

We [illegible] to make this summer. Don't [illegible] [illegible] [illegible]
[illegible] and the [illegible] were published by [illegible] [illegible]
[illegible] with [illegible] and brushes. We now have a set [illegible] and
[illegible] explore [illegible] which you will [illegible] to be [illegible] or [illegible] a set
when [illegible] are ready to [illegible] with.

S.I.C.

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December 20, 1957

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.05
Corn, ground, bu.	1.12
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	.90
Barley, ground, bu.	.97
Hominy feed, ton.	54.00
Wheat bran, ton	42.00
Shorts and standard middlings, ton.	43.00
Flour middlings, ton.	48.00
Red Dog flour, ton.	50.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	55.00
Linseed meal (34% protein), ton, solvent extracted.	62.00
Cottonseed meal (41% protein), ton, solvent extracted	75.00
Gluten feed, ton.	46.00
Tankage, ton.	82.00
Blood meal, ton	125.00
Beef scrap, ton	80.00
Steamed bone meal, ton.	85.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.75
Whole milk, cwt.	3.62
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	14.00
Soybean hay) for baled hay.	15.00
Alfalfa hay) and straw.	18.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, January 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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VO-AG AIDS

Volume 16, Number 7

February 1958

FEB 12 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

February, 1958

Allerton Committee Meets. The Committee on Agriculture of the Allerton House Conference on Education in Illinois met on January 17 and 18 at the University to review a first draft of the final report of the committee, which will be made at the final meeting of the Allerton House Conference on April 17 and 18. The conference has been in operation since October 1952; the Committee on Agriculture, since February 1955. H.M.H.

Placement Situation. Two positions in vocational agriculture were filled early in January. On January 15, eight experienced teachers were available for immediate placement. Eleven inexperienced teachers become available on February 1. There are two positions to be filled during the next few months. The immediate outlook for jobs is not good but, since only 43 new teachers are qualifying in 1957-58, it is likely that all who wish to teach will be able to secure employment during the summer. It is also likely that the new teachers, those who will return from military service, and those who will leave other types of employment for teaching will be enough to fill all positions in vocational agriculture in Illinois in 1958-59. It is expected that 45 to 50 new teachers will be qualified in 1958-59. H.M.H.

Study of Adjustments of Local Programs of Agricultural Education to Changes in Agriculture. Dr. G. P. Deyoe is launching a study of the adjustments to agricultural changes which have been made in recent years in certain Illinois schools teaching vocational agriculture. Included in the study will be approximately 20 schools that are judged to have been alert to changes in agriculture and that are well distributed over the state. Dr. Deyoe will be assisted in the study by Bobby Weiss, a 1956 graduate qualified for teaching vocational agriculture, who has recently returned from Iran. H.M.H.

Course Offerings in Four-Week Summer Session for 1958. The four-week summer session for 1958 will provide a wide variety of courses for teachers of vocational agriculture. They include the following:

Agriculture:

Agr. Econ. 413 - Land Economics Research Methodology ..... C. B. Baker

Agr. Econ. 414 - Economics of Resource Use ..... E. R. Swanson

Agr. Eng. 242 - Gasoline, Liquid Petroleum, Gas, and Diesel Tractors

Agr. Eng. 381 - Farm Electrical Equipment ..... R. E. Heston

Agronomy 306 - Fertilizers and Their Soil Reactions ..... R. H. Bray

An. Sci. 303 - Pork Production ..... S. W. Terrill

Agricultural Education and Education:

Ed. 301 - Philosophy of Education ..... W. O. Stanley

Ed. 311 - Psychology of Learning for Teachers ..... R. H. Simpson

Ed. 459 - Workshop in Agricultural Education on "Non-Vocational Agriculture" ..... G. P. Deyoe

Ed. 471 - Public School Education in Agriculture: Policies and Programs ..... H. M. Hamlin

Ed. 472 - Agricultural Education in Secondary Schools ..... A. H. Krebs

Ed. 473 - Vocational Education in Agriculture for Adults ..... L. J. Phipps

Ed. 474 - Supervised Farming in Vocational Agriculture ..... G. P. Deyoe

Ed. 475 - Organizing and Teaching Farm Mechanics ..... L. J. Phipps

Ed. 476 - Guidance in Agricultural Education ..... A. H. Krebs

A special circular indicating the time schedule and other information will be available later. G.P.D.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

February, 1958

FROM THE PRESIDENT'S DESK:

Your immediate past president, Art Meadors, and your president, I. L. Brakensiek, attended a hearing on the approval of additional training centers for training vocational agriculture teachers held on January 10 in Springfield. They spoke in favor of the resolution adopted at the June 1957 conference: "That the University be kept as the only training center." This resolution was adopted without a dissenting vote at the conference. The State Board of Vocational Education gave your representatives a very fine reception and seemed interested in the facts they presented. No decision has been reached by the board to date.

These are the main facts that were presented to the board: For the past nine years 49 percent of the teachers trained have started as vocational agriculture teachers. Training teachers is a costly operation. The vast majority of present teachers are well satisfied with the present plan. Forty-four of the 48 states now have a single teacher training institution for vocational agriculture teachers. Prospective teachers can transfer for the final year of their training. Our teacher training program in Illinois is widely recognized as one of the best in the nation. A large surplus of beginning teachers would lower starting salaries so much that many good prospects would go into other lines of work.

The Joint Federal-State Action Committee

This committee was appointed by the Chairman of the Governors' Conference and by the President. Their report is addressed to the President and the Chairman of the Governors' Conference. They recommended that:

1. The states assume full responsibility for financial support of the older programs of vocational education (vocational agriculture is in this category).

2. The President request the Congress to repeal, as soon as practicable, the laws authorizing grants for the older programs of vocational education.

3. The Governors and the legislative bodies of the several states develop necessary means for providing the additional funds to replace the federal grants.

They suggest that 40 percent of the 10 percent tax on telephone bills be sent back to the state where it is collected. If this were done, Illinois would have more money available than now, but twenty-eight states would receive less money. Since many of these states are located in low-income areas, the loss would be quite a problem for them.

The President's budget includes an item for $33,750,081, which is the full amount authorized under the George-Barden Act. He also includes the recommendation listed above from the Joint Federal-State Action Committee. He further recommends that legislation by both state and federal governments be enacted so that the recommendations of the committee will be in operation beginning in 1960.

A.V.A. Membership

The total membership in the A.V.A. is considerably less than it was one year ago. There has been a large drop in membership in the agriculture division. Membership from agriculture in Illinois totals 509. This is the largest agriculture membership of any state in the North Central Region.

N.V.A.T.A. News

Our executive committee met in Denver November 28-30. Our region was ably represented by Vice President Paul Mechling. Regional membership reports show that Illinois leads in membership again this year. The other states in the region are Indiana, Kentucky, Michigan, Missouri, and Ohio.

Minutes of the meeting at Denver have just been received. They indicate that the committee must have had a busy time. Anyone reading these minutes would be impressed by the many items that are considered and the way decisions are reached. Our national officers put in a lot of time for us, and we are all indebted to them for their efforts.

We are glad that we can report that Vice President Mechling plans to attend our banquet next June and will speak to our conference on the topic, "Your National Association at Work."

Legislative Problems

This is an off year so far as legislation at the state level is concerned. With the F.F.A. banquet season about to start, it would be a good time to think about inviting local legislators to attend your banquet. It would be an opportunity to contact them once when we were not wanting something.

Are You Planning?

The N.V.A.T.A. convention will be held in connection with the A.V.A. in Buffalo, New York, August 11 to 15. Why not plan your vacation to take in all or part of this convention? It would be an opportunity to meet teachers from all over the country and compare problems and exchange ideas. Start planning now to attend the convention.

Sectional News

We need sectional news. Sectional secretaries should send in the news from their sections. Get it to me by the 10th of each month. Mail it to I. L. Brakensiek, 2229 Payson Avenue, Quincy, Illinois.

Section 1. A Vo-Ag Institute and Administrators Banquet was held at Dakota on December 5. A worthwhile discussion on integrating the agriculture program into the school curriculum followed the banquet.

The discussion was led by Superintendent Roscoe Eads and Art Schick of Sterling. Those in attendance were impressed by the many good ideas presented.

Section 13. The sectional F.F.A. Foundation committee met on January 14. Dawson Dean, F.F.A. sectional vice-president, reported that the new method of collecting funds was very successful. Plans were discussed to enlarge the plan and to urge all chapters to raise the quota assigned to them.

I. L. Brakensiek
Quincy, Illinois
January 15, 1958

VO-AG SERVICE

Announcements & Notes

Error in Unit 4023. Our attention has recently been called to an error that was made when assembling unit 4023, "Growing Oats." Apparently about 100 copies were assembled with the inside spread of unit 4011 included in unit 4023. The error in 20 copies has already been corrected. Teachers may wish to check their copies of 4023 to make certain there is not a mistake in them.

If you find a mistake, we suggest that you notify us and we will send you the correct inside pages. Do not return the entire unit. M.H.

FFA Roadside Sign Orders for 1958. As indicated in information previously sent by Mr. Burgener, additional FFA roadside signs are being made available this year. We expect to have them ready to be picked up at the next June Conference. However, the sets must be assigned by about April 1 to allow time for lettering the slogans. Seventy-one sets are being made, of which nine have already been assigned. In addition, we have requests for additional sets from chapters that have previously been assigned one or more. These orders are being held until March 1. If signs are still available on that date, the extras will be assigned to the chapters requesting them.

Chapters may find it advisable to order signs as soon as possible. Those wishing a second or third set may also want to get their requests on file. M.H.

New Bulletins and Circulars from the College of Agriculture. Since the last issue of the AIDS, we have received copies of three new circulars and two new bulletins. The circulars are 784, Winter Oats for Southern Illinois; 785, Less Labor in Egg Production; and 787, Watch Your Soil Tilth. The bulletins are 622, Commercial Corn Hybrids; and 623, Performance of Experimental Corn Hybrids in Illinois.

Copies of Circulars 785 and 787 and of Bulletin 622 were included in the February Agricultural Releases. Because of the somewhat limited application of the others, they were not sent to Agricultural Release subscribers. Teachers who wish copies but who are not familiar with the distribution policy may refer to the information on page 20 of the August AIDS. M.H.

Junior Membership in Illinois Swine Herd Improvement Association. Mr. Fred Hoppin, Executive Secretary of the ISHIA, has asked us to make the following announcement:

> "The FFA dues for Junior Membership in the Illinois Swine Herd Improvement Association have been reduced to $2.00 per chapter. Membership reporting blanks are available from Frederic B. Hoppin, Executive Secretary, Landauer Building, Lincoln, Illinois. Membership dues are delinquent after April 1 each year." M.H.

Catalog of Color Slides Showing Nutrient-Deficiency Symptoms in Plants. We have recently received a catalog of color slides showing nutrient-deficiency in

plants. This is available from the National Plant Food Institute, 1700 K Street, N.W., Washington 6, D. C. In a letter regarding availability of this item, Mr. Louis H. Wilson, Director of Information, states: "We appreciate your offer to have this folder announced to your vocational agriculture teachers in Illinois." Teachers interested in obtaining copies should write to the address above. M.H.

Magnetic Breeding Calculators. We have had some correspondence with Mr. Gary Severson, Director of Sales and Nutrition, Vy Lactos Laboratories, Inc., 1901 East Euclid Avenue, Des Moines 13, Iowa, regarding availability of their magnetic breeding calculator. In his last letter Mr. Severson stated, "You certainly may announce that these calculators are available to interested groups. I think the best way to handle the situation would be for them to make inquiry and requests to us for the calculators." In a previous letter he said, "At times we think that certain agencies take unfair advantage in the numbers they order, but we want to fill all reasonable requests for the calculators." Those interested should send their requests direct to the address given above. M.H.

Our Growing Wood Supply. A letter from Mrs. Edward N. MacConomy, Director of Education with the American Forest Products Industry, 1816 N. Street, N. W., Washington 6, D. C., indicates that one copy of the publication, "Our Growing Wood Supply," is available per teacher and may be secured by writing to the address above. This publication is made available by the forest industries of the country in the interests of promoting forest conservation.

The bibliography that accompanied the letter gives the following information: "A 24-page, 8½" x 11" illustrated booklet in four colors, this handbook summarizes progress to date in the management of our forests. It covers the volume, condition and productiveness of America's forests, and the ratio between forest growth and drain. It reports current achievements in fire protection, tree farming, insect and disease control, reforestation, and research into new uses for wood."

Teachers who are especially interested in material relating to forests and forest industries may also be able to obtain a "Bibliography of Teaching Aids on America's Forests and Forest Industries" by requesting it when writing for a copy of "Our Growing Wood Supply." M.H.

Standards for Measure of Efficiency for 1957. These standards are being included in the February mailing of Agricultural Releases. We have a few extra copies. Teachers may obtain single copies while they last by requesting them from Vocational Agriculture Service and enclosing 5 cents in stamps for each copy. J.H.H.

Tape Recording - Guideposts for 100-Bushel Yields of Corn. Another addition to the list of recordings available from Vocational Agriculture Service is a 30-minute tape on "Guideposts for 100-Bushel Yields of Corn." This tape is based on questions asked by an Illinois agriculture teacher and one of his adult farmers while interviewing L. T. Kurtz, professor of soil fertility, University of Illinois Department of Agronomy. Such questions as the following are discussed: Is there any difference in fertilizer response on various soil types? Can highest yield be expected from drilling, hilldropping, or checking? How can I determine what rate of planting to use? Are minor elements important? Should I use water-soluble fertilizers? What about plow-plant and wheel track planting?

This tape recording is available, as are other tapes previously announced, at a cost of $3.50, f.o.b. Urbana, if we furnish the tape or $1.50, f.o.b. Urbana, if you provide your own 1200-foot tape. E.L.K.

Crop Seed Slides. Professor H. J. Rucker, associate professor of vocational agriculture, emeritus, has given us the following announcement. Teachers who are interested should send their orders direct to Professor Rucker at 513 W. Oregon, Urbana, Illinois.

"This set of slides contains a color transparency of each of the 35 crop seeds given in the list of crop seeds to be identified in the Illinois State Grain Judging Contest. All are original ektachrome prints (not duplicates). A list of the crops with their respective mount numbers is given on the back.

"The lines in the scale at the side are 1/5 inch apart. All except the five larger seeds are photographed at the same distance.

"The sets are $10.25 postpaid, if used for educational purposes. If not, 3 percent sales tax must be added to the price. If insurance is desired, add 30¢. If cash accompanies order, deduct 25¢." M.H.

Crop Removal and Maintenance Guide. Our apologies to those who were inconvenienced by the fact that our announcement in the January AIDS regarding the crop removal and maintenance guide from the Illinois Farm Supply Company was not as complete as it should have been. That announcement should have read as follows:

> "The guide gives the pounds of N, P_2O_5, and K_2O removed by different yields of grain and forage crops. It also shows the amounts of different materials needed to replace the removals.
>
> "The crop removal and maintenance guide is available through our member companies. Many of these companies have distributed the guide to teachers, and the reports indicate that it has been well accepted.
>
> "Agriculture teachers who are interested in the guide should contact the FS plant food distributor in their area. The number available in each area will vary with the company policy." M.H.

Rat and Mouse Control - Guide and Fact Book. According to Mr. Ward Ross, managing director of the Wisconsin Alumni Research Foundation, P. O. Box 2217, 506 N. Walnut Street, Madison 5, Wisconsin, copies of this book are still available. We understand that more than 120,000 copies have been distributed to date. The letter from Mr. Ross states: "Generally speaking we have suggested that the book is designed primarily for use by leaders rather than for all class members. However, wherever a Vo-Ag instructor has requested, say, thirty or forty copies of the book for each member of its class, we have complied with the request and this has happened on many occasions. We see no objection to mentioning this in your announcement."

Those interested in obtaining a copy or copies should send their requests direct to the address given above. M.H.

Handbook of the Insect World. This 60-page booklet can be obtained from the Hercules Powder Company, Inc., Wilmington 99, Delaware. A letter from Mr. W. C. Edgar, sales manager, Agricultural Chemicals Division, states: "We welcome your offer to publicize this booklet in your monthly paper, Vo-Ag AIDS. However, such demands have been made on this issue that for the present we ask that requests for the booklet be restricted to single copies."

If interested, write direct to the Hercules Powder Company, Inc. M.H.

Soil Conservation Service Assistance. Mr. B. B. Clark, state conservationist, has conferred with our office regarding the possibility of their personnel helping with vocational agriculture land use selection contests. Following is an excerpt from Mr. Clark's letter:

"Based on present soil scientist assistance available in the ten areas in Illinois, Vo-Ag sections have been assigned to Soil Conservation Service areas for assistance in Sectional Vo-Ag Land Use Selection contests as listed below:

Vo-Ag Sec.	Area-SCS	Area Conservationist Address
1,2,3,	1	Lee Piper
6,7,	2	Gordon Flint
8,9,10	3	M. Silliman
4,11,13	5	Hampton Long
5,12,14	3	Orie Potts
16,17,18	6	Robert Oertel
15,19	7	Turner
20,23	8	Gene Steely
21, split 22 & 25 depending on location of contest	9	Harry Gearhart
24, split 22 and 25 depending on location of contest	10	George Fager

"The Vo-Ag teachers sponsoring the contest should request soil scientist assistance from the area conservationist in the area to which the section has been assigned." M.H.

Growing Corn on Low Potash Soils in Southern Illinois (filmstrip). This double-frame colored filmstrip of 59 frames was primarily designed to accompany the tape recording of the same title. Probably neither the recording nor the filmstrip can be most effectively used alone. The recording was made by P. E. (Pat) Johnson, assistant professor of soil fertility, Newton, Illinois, and the filmstrip was made from slides that he loaned to us.

Orders for the filmstrip were taken at the 1957 June Conference. Since that time, we have had a master made from the slides loaned to us and have had prints made from the master. We have filled all orders and still have three prints. The price is $3.25 each, f.o.b. Urbana.

We will accept orders for prints until March 1. If by that time we have orders for 10 or more (the minimum number we can order and sell at the price quoted), we will order additional prints. It will probably be April 1 before the prints are received if we order them March 1. (Copies of the tape recording are and will continue to be available.)

Please notify our office at once if you wish one of the prints at $3.25 each. The first three will be sent from our present stock, but other orders will need to be filled later if 10 or more additional prints are requested. M.H.

Soil Color Charts. If orders for the soil color charts announced on pages 11 and 12 of the January AIDS continue as they have for the past two weeks, our supply will be exhausted by the time this issue reaches you. We have ordered 50 additional sets and will continue to accept and fill orders as long as our supply will permit. As announced in the January AIDS, the price is $2.75, f.o.b. Urbana. M.H.

Extramural Courses for the Second Semester, 1957-58. Information has previously been sent to vocational agriculture teachers regarding extramural courses available for the second semester of this school year. Here is some additional information regarding each of the possible courses:

Agricultural Engineering 331 - Tentative plans have been announced to offer this course in the Monmouth-Knoxville area commencing in April 1958. A letter was sent to all teachers residing within a 50-mile radius of Monmouth enclosing a card to be returned if they planned to attend the course. The deadline was given as March 1. While this date is still about two weeks away, only 10 teachers have indicated their intention to enroll to date. Interested teachers in this area should send in their cards at once.

If a minimum of 15 teachers does not materialize before the March 1 deadline, this course will be available for some other area. In this eventuality, we shall need to move rapidly. If a group of 15 or more teachers in any area of the state are interested in obtaining this course, should the minimum number not be secured in the Monmouth area, they should forward a request containing the names of those interested to us immediately. Requests will be considered in the order received and a definite announcement will be made soon after March 1.

Function, Application, Adjustment, and Management of Farm Machinery. A study of field and farmstead machinery as related to the needs of agricultural production, systems of farming, function, construction, maintenance, and operation cost. 3 hours or $\frac{1}{2}$ unit. Prerequisite: Agricultural Engineering 112 or 131, or consent of instructor. This course will probably meet on Saturdays during the seasonal use of each machine (from April to October). PICKARD

Agricultural Engineering 355 - To date we have not had a sufficient number (15) at any given center to warrant offering this course. We are still open to receive applications of 15 or more persons interested in attending this course in a given area but must have them soon if the course is to be given the second semester.

Advanced Soil and Water Conservation Practices - A study of conservation practices and their evaluation in relation to farm operations: planning, constructing, and checking of terraces, waterways, diversion ditches, and drainage systems. 3 hours or $\frac{1}{2}$ unit. Prerequisite: Agricultural Engineering 111 or 252 or consent of instructor. Sessions of this course will probably be held on Saturdays. HAY

Agronomy 301 - The first meeting of Agronomy 301 will be held at the East Richland High School in Olney on Friday, February 7, beginning at 4:30 p.m. Three meetings will be held in February on Saturdays, the 7th, 14th, and 21st respectively. Lecture periods will be from 4:30 to 6:20 p.m. and in-door laboratory periods from 7:10 to 9:00 p.m.

Soil Survey, With Emphasis on Illinois Soils - Properties and methods used in distinguishing soils; characteristics and distribution of different soils in Illinois and the cause of these soil differences; the influence of differences in

Illinois soils upon their proper use and management. Laboratory work includes instruction in the use of soil maps, training in mapping soils, and field trips to examine representative Illinois soils. 3 hours or ½ unit. Prerequisite: Agronomy 201. ODELL

Agronomy 306 - The first meeting of the group interested in Agronomy 306 will be held in the vocational agriculture room of the Jerseyville High School on Wednesday, February 12, beginning at 7:00 p.m. If some other time of the week or some other place in the area seems more desirable for future meetings, that can be discussed at the meeting on February 12 and such changes made as seem desirable.

Fertilizers and Their Soil Reactions - Fertilizer sources and materials; chemical forms of elements in the soil; reactions of fertilizers in soils; determination of fertilizer needs; soil test methods; fertilizer application. 3 hours or ½ unit. Prerequisite: Agronomy 201. MELSTED

Animal Nutrition 301 - The first meeting of those interested in Animal Nutrition 301 will be held in the vocational agriculture room at the Salem High School on Monday, February 10, beginning at 7:00 p.m. If some other time of the week or some other place in the area seems more desirable to the majority for future meetings, that can be discussed at the meeting on February 10 and such changes made as seem desirable.

Introduction to Animal Nutrition - An introduction to the principles and practical applications of the science of animal nutrition. 3 hours or 3/4 unit. Prerequisites: Animal Science 102; Chemistry 132 or 133. DRAPER M.H.

Farm and Home Festival. Saturday, March 29, has been designated as Youth Day for the FESTIVAL. Features of Youth Day will include a view of the career opportunities in agriculture, home economics, and veterinary medicine. The facilities of the colleges will be open for inspection, and the student organizations will have manned exhibits for those who are interested in campus activities.

There will be an opportunity to hear Dean Hannah, Dean Sharp, and Dean Smith discuss career opportunities which college training will open for students. Exhibits of the departments showing their work in the Wonder Worlds of Plants, Animals, Engineering, Home and Family Living, etc., will be on display.

The final feature of Youth Day will be the annual Plowboy Prom, to which vocational agriculture students are invited.

The travel plan for groups organized by the vocational agriculture instructors to attend the FESTIVAL has been designated "Operation School Bus." These groups may be from veteran, young farmer, or adult classes and may attend on any day of the FESTIVAL. But for high school students (vo-ag and home economics) who wish to attend the Youth Day meeting on Saturday, it may be that a school bus would be the most efficient and safest way to travel. R.F.E.

Ninth Illinois Junior Chicken-of-Tomorrow Contest. Dr. Bray of the Poultry Division has asked us to remind all of you who are interested that the deadline date for entries in the Ninth Illinois Junior Chicken-of-Tomorrow Contest is March 1. Entry blanks and detailed rules and regulations were sent to all vocational agriculture teachers late in January. Prospective contestants are urged to contact their local hatcherymen immediately, as all birds must be started in the period of March 24-27 inclusive. D.J.B.-W.H.W.

Dairy Calf Sale. We are indebted to Professor J. G. Cash for calling our attention to the Dairy Calf Sale, Saturday, February 22, in the Stock Pavilion, Urbana. As before, purchases will be limited to FFA and 4-H members. We are informed that about 100 calves of the following breeds will be offered: Ayrshire, Brown Swiss, Guernsey, Holstein, and Jersey.

The sale will start promptly at 11:00 a.m. We understand that catalogs have been or will be mailed to vocational agriculture teachers as soon as they are available. If you need additional copies or other information, write to Professor J. G. Cash, 330 Animal Sciences Laboratory, Urbana. M.H.

Soil Survey Manual. The Soil Survey Manual includes sections on mapping, examination and description of soils in the field, identification and nomenclature of soil horizons, soil color, texture, and structure, soil consistence, land use, yield predictions and management practices, soil survey reports, appraisal, photographing of soils, and collection and examination of soil samples. Attention is directed to problems and methods of making and interpreting soil surveys.

This manual is used widely by soil scientists engaged in soil classification and mapping. It should be a helpful teacher reference especially for land judging, for use with county soil survey maps and SCS materials, and for preparation of teaching materials in the field of soils. Interested teachers may obtain a copy from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the price of $3.00. E.L.K.

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Manual, Soil Survey..... [illegible]
Measure of Efficiency for Corn Standards for..... [illegible]
New Bulletins and Circulars From the College of Agriculture..... [illegible]
Ninth Illinois Junior Chicken-of-Tomorrow Contest..... [illegible]
Our Growing Wood Supply..... [illegible]
Rat and Mouse Control - Guide and Fact Book..... [illegible]
Soil Color Charts..... [illegible]
Soil Conservation for Ice Assistance..... [illegible]
Soil Survey Manual..... [illegible]
Standards for Measure of Efficiency for Corn..... [illegible]
Tape Recording - Guidepoints for 100-Bushel Yields of Corn..... [illegible]

January 23, 1958

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.03
Corn, ground, bu.	1.10
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	.93
Barley, ground, bu.	1.00
Hominy feed, ton.	50.00
Wheat bran, ton	46.00
Shorts and standard middlings, ton.	47.00
Flour middlings, ton.	49.00
Red Dog flour, ton.	51.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	57.00
Linseed meal (34% protein), ton, solvent extracted.	63.00
Cottonseed meal (41% protein), ton, solvent extracted	73.00
Gluten feed, ton.	48.00
Tankage, ton.	90.00
Blood meal, ton	125.00
Beef scrap, ton	85.00
Steamed bone meal, ton.	80.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.80
Whole milk, cwt.	3.90
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	14.00
Soybean hay) for baled hay.	15.00
Alfalfa hay) and straw.	18.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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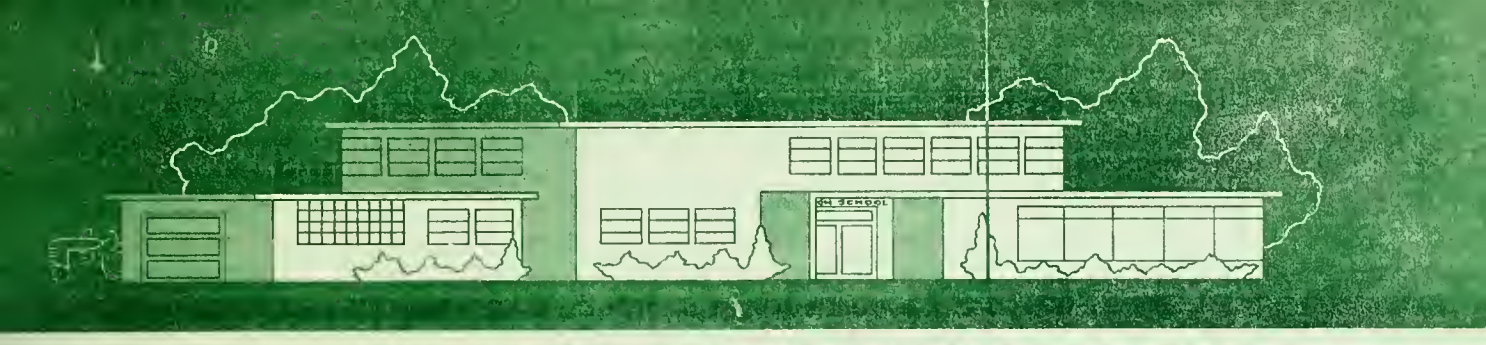
VO-AG AIDS

Volume 16, Number 8

March 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education



AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

March, 1958

Excerpts from the Annual Report of the Division of Agricultural Education for 1956-57. Preparation of the annual report of the division brought to light the following information:

New teachers of vocational agriculture required in Illinois, September 1, 1956, to August 31, 1957..... 56

New teachers (experienced and inexperienced) who had qualified at the University of Illinois..... 51

Percentage of teachers leaving the teaching of vocational agriculture in Illinois during the year..... 12

Teachers newly qualified at the University of Illinois during the year..... 68

Percentage of the graduates of the College of Agriculture during the year who qualified for teaching..... 28

Percentage of seniors with average grades of 4-point or more who qualified for teaching..... 48

Percentage of newly qualified teachers who took positions in vocational agriculture in Illinois during the year or soon after the close of the year..... 50

Total enrollment in courses taught by staff in Agricultural Education.....486

Enrollment in undergraduate courses taught by staff in Agricultural Education.....282

Enrollment in graduate courses taught by staff in Agricultural Education.....204

Enrollment in summer graduate courses in Agricultural Education..... 89

Graduate students in summer school with major interest in agricultural education..... 87

Enrollment in campus graduate courses taught by staff in Agricultural Education during school year..... 42

Enrollment in extramural graduate courses in Agricultural Education..... 52

Percentage of Illinois teachers enrolled in graduate courses in Agricultural Education..... 20

H.M.H.

Workshop on Education in Family Finance. A four-week workshop in Family Finance (and other phases of money management) will again be offered at the University of Illinois June 17 to July 12, 1958. This workshop is sponsored by the College of Education and the College of Commerce and Business Administration, University of Illinois, and the Office of the State Superintendent of Public Instruction, in cooperation with the Institute of Life Insurance. Participants are limited to teachers of vocational agriculture, business education, home economics, and social studies.

The workshop provides one unit of graduate credit in Education 459, Workshop in Curriculum Development. A scholarship is granted to each participant, which covers the cost of room and meals for the four weeks, Monday through Friday. The cost to the participant is the summer session fee of $29.75.

John R. Craddock will serve as consultant for the teachers of vocational agriculture. Specialists in various phases of finance will be provided as lecturers and resource persons.

Enrollment will be limited to twelve in the agricultural education section. To be eligible, a teacher must have completed a master's degree. Those interested in attending and/or desiring additional information should write to the Agricultural Education Division, College of Education, 103 Gregory Hall, University of Illinois, Urbana, Illinois, no later than March 20. J.R.C.

Teacher Demand and Supply. On February 11 there were two vacancies in vocational agriculture in Illinois. Thirteen experienced teachers and five inexperienced teachers were available to fill them. John R. Craddock will be the representative of the Division of Agricultural Education working with the Office of Teacher Placement during the rest of the school year. Teachers interested in placement may communicate with him or with Professor Dale Baughman of the Teacher Placement Office, who bears the primary responsibility for placing teachers of agriculture. Prospects are that supply and demand will be fairly well balanced during the early part of the summer. It is usually difficult to fill positions that become vacant late in the summer, regardless of the number of new teachers qualified. H.M.H.

Farm and Home Festival. The College of Education has been invited to share in the space available for exhibits for the Farm and Home Festival on March 27 to 29, and the Division of Agricultural Education will be represented. The Festival replaces Farm and Home Week. H.M.H.

Advisory Board Meeting. All members of the Advisory Board for the Division of Agricultural Education were on hand for its meeting on January 31 and February 1. The board met during one afternoon with the University Committee on the Preparation

of Secondary School Teachers of Agriculture. Members of the Board are Rolla Mitchel, Sesser, chairman; R. E. Dagner, Assumption; Guy O. Petty, Carrollton; Fred Schaper, Aledo; and James R. Savage, Marseilles. Part of the board members will meet with the Committee on Agriculture of the Allerton House Conference on Education on March 14. The next meeting of the entire board will be held on June 16 in connection with the Summer Conference. H.M.H.

Campus Graduate Students in Agricultural Education. Resident graduate students with major interest in agricultural education who are being advised by the staff of the Division of Agricultural Education in the second semester 1957-58 are Eldon Aupperle, Fairbury; John R. Craddock, Champaign; H. Eugene Craig, Chrisman; R. F. Espenschied, Urbana; Harold Grier, Champaign; Clark Morris, Harmon; James H. Neuschwander, Dakota; Billy R. Rich, Arcola; Donald Robertson, Berlin; Ronald J. Seibel, Rutland; John Terwilliger, Virginia; Bobbie Weiss, Freeburg; and Wayne A. Wise, Loraine. H.M.H.

IAVA TNEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

When you receive this newsletter, the IVA convention will be history and the next big state-wide events will be the FFA convention, the state judging contest, and our summer conference.

All teachers recently received the announcements, rules, and assignments for the judging contest. To work properly, the new plan for a one-day contest will require the cooperation of everyone. Vo-Ag Service has spent much time and effort in making the necessary arrangements. Teachers of the state appreciate this help and also the effort of the Contest and Awards Committee in setting up the new arrangements for the contest.

We are glad to welcome Orville Holt back to the state and to his new position as Supervisor of Agricultural Education.

N.V.A.T.A.

Paul Mechling, vice president of N.V.A.T.A., has requested a report on the part that vocational agriculture has played in Farm-City Week. What has your department done to promote this worthwhile activity? Will you please send a summary to I. L. Brakensiek, 2229 Payson Ave., Quincy, Illinois, so that we can compile a report for Paul.

Committee Activity

The Advisory Board of the Division of Agricultural Education met in Urbana on January 31 and February 1. They also spent some time meeting with the Committee on the Preparation of Secondary School Agriculture Teachers. This joint meeting proved most helpful to both groups, and future plans for a productive relationship were discussed. The Advisory Board plans to meet with the Committee on Agriculture of the Allerton House Conference on Education on March 14 and 15.

Several of our committee met at the time of the IVA and made plans for their meetings to be held during the summer conference.

All of our committees will meet on Monday afternoon, June 16, to plan their activities and to report on accomplishments of the year. Each one will present a report to the conference at our annual business meeting.

Attention, Directors, Sectional Chairmen, and Sectional Secretaries

We want to present membership cards in the 30-Minute Club to all members who have had an article published in a national or regional magazine during the past year. Will you survey your district and sections and determine who is eligible to receive this award. We need the report by May 1, 1958.

Sectional News

Sections 6,7,8,9, and 10. The District F.F.A. Foundation Sponsoring Committee met at Joliet on January 16. They enjoyed a luncheon at the White Chimney. Mr. Ralph Ostrander presided at the business meeting and gave a summary of the purposes of the F.F.A. Foundation. Jim Hume of the Board of Trustees presented a history of the Foundation, and H. R. Damisch, president of the trustees, summarized the work of the foundation. Others participating in the program were Eddie Lindskog, G. O. Irvine, Elwood Howell, Ralph Guthrie, and D. R. Burrowbridge.

Section 5. Teachers of the section met recently at Roanoke for a dinner meeting. Wives were present as guests, and Frank Crawford was the official host. Plans for the F.F.A. Public Speaking Contest were discussed. The contest was held at Magnolia-Swaney High School, with Robert Largent as host.

Section 6. Teachers of the section met in Woodstock on January 15 to plan the sectional fair for 1958. They also made plans for the Sectional F.F.A. Foundation activities. It was announced at this meeting that Ralph Ostrander was retiring from the F.F.A. Foundation sponsoring committee. Ralph has done an outstanding job for the Foundation, and his efforts have been greatly appreciated.

Bill Pictor was honored at a dinner at Hebron recently. Teachers and their wives attended and wished Bill success in his new position with Purina Mills. Dick Smith has been employed to take Bill's place at McHenry.

Section 15. Teachers in this section hold a bimonthly pot-luck dinner meeting. On January 11 they treated their wives to a banquet and card party at Carrollton.

The department at Palmyra is enjoying a new building. The dedication was held on February 2. Several teachers from the section are attending the class on "Fertilizers." The first meeting was held at Jerseyville on February 12.

Section 21. A sectional meeting was held at Odin on January 22. Teachers were urged to attend the animal nutrition class at Salem and the IVA Convention in St. Louis. The district meeting of the F.F.A. Foundation Sponsoring Committee at Mt. Vernon and the Parliamentary Procedure Contest at Greenville were announced. The new farm mechanics activity exhibit at the State Fair was explained by Supervisor Floyd.

Section 22. Teachers of the section met in Alton on January 15 for a dinner meeting. Harold Drake presided and announced that the family finance course would be offered on a four-week basis this summer. He also announced the short courses that may be offered this summer. The group adopted the standard rates for charges for labor and machinery to be used by all students of the section in their record books. Host Glaeser announced the exhibits at the I.V.A. convention and urged teachers to participate.

VO-AG SERVICE

Announcements & Notes

5th Annual Farm Machinery Day. We are indebted to Professor Wendell Bowers for the following information:

> "The 5th Annual Farm Machinery Day will be held in the Stock Pavilion at the University of Illinois on Tuesday, March 18, starting at 9:30 a.m. Invitations are being extended to farm machinery dealers and their company representatives. Vocational agriculture teachers and county extension personnel are invited to join with dealers in attending this event. You will soon receive a program and reservation form." M.H.

Extramural Courses. In view of the fact that three extramural courses in agriculture are now under way and a fourth will probably be started in April, it perhaps is time to begin thinking of plans for 1958-59. Agronomy has offered to give two courses on an extramural basis if there is sufficient interest and the details can be worked out. These courses are Agronomy 322--Forage Crops and Pastures, and Agronomy 326--Weeds and Their Control. The instructor for Agronomy 322 would be Professor J. A. Jackobs, and the instructor for Agronomy 326 would be Professor F.W. Slife. Any sections interested in one of those courses for the first semester of 1958-59 should begin checking as soon as possible. M.H.

Careers Ahead--Brochure. Many of you may have worn out, given away, or misplaced the copy of Careers Ahead which we sent you several years ago. We are sending you another complimentary copy. One copy is also being sent to each school for the guidance counselor's use. Bulk orders, of five or more copies, may be placed through Vocational Agricultural Service at 20 cents per copy, f.o.b. Urbana. C.D.S.--M.H.

Price List of Slidefilms. Following is a complete list of slidefilms in the current series that will be available up to September 1, 1958, along with prices:

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY			
120	Feeding for Egg Production	71	$1.24	$ .88
140	Control Stomach and Nodular Worms of Sheep	48	.84	.60
141	Shearing Sheep	64	1.12	.80
142	Breeds of Sheep	106	1.86	1.33
143	Selecting Sheep	85	1.48	1.06
160	Increase Profits Through Swine Sanitation	65	1.14	.81
166	Selecting Breeding Hogs	78	1.36	.98
167	External Parasites of Swine	48	.84	.60
180	Fitting, Training, Grooming, and Showing Beef and Dairy Calves	100	1.75	1.25

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	ANIMAL HUSBANDRY (cont.)			
181-185	Meat Films (complete set)		$10.00	$7.00
181	Identification of Kinds of Meat (in color)	24	1.81	1.27
182	Identification of Cuts or Pork (in color)	44	3.12	2.18
183	Identification of Cuts of Beef (in color)	38	2.70	1.89
184	Identification of Cuts of Veal (in color)	30	2.29	1.60
185	Identification of Cuts of Lamb (in color)	26	1.93	1.35
186	Preventing Loss When Handling Livestock	40	.70	.50
	DAIRY HUSBANDRY			
2010	Winter Feeding of Dairy Cattle	96	1.68	1.20
203	Producing and Handling Clean Milk	76	1.33	.95
204	Bacteria and Milk	59	1.03	.74
205	Good Milking Practices	56	.98	.70
206	Testing Milk for Butterfat	43	.75	.54
207	Selecting Dairy Cattle	91	1.62	1.15
	FARM MANAGEMENT AND ECONOMICS			
310	Increasing the Efficiency of Man Labor	54	.94	.67
320	Marketing Grain Through a Grain Exchange--The Cash Market	43	.75	.54
321	Marketing Grain Through a Grain Exchange--The Futures Market	52	.91	.65
330	Farm Appraisal	117	2.05	1.46
	FARM MECHANICS			
4000	Important Rulings Based on the National Electrical Code	124	2.17	1.55
4010	Diagramming for Electrical Wiring	55	.96	.69
4040	Recognizing the Items in the Vo-Ag Electrical Loan Box--Unpacking and Repacking the Box	80	1.40	1.00
412-415	Electric Motors (complete set)		2.90	2.10
412	Part 1. Magnetism & D. C. Motor	35	.62	.44
413	Part 2. Induction & A. C. Motor	38	.67	.48
414	Part 3. Testing & Identifying Leads; Connecting and Reversing	42	.74	.53
415	Part 4. Trouble Shooting	67	1.19	.84

When ordering please be sure to state whether you wish single or double frame prints.

Orders for items distributed by Vocational Agriculture Service totaling less than $5 should be accompanied by payment unless you are an agricultural release subscriber for 1956-57 or have an advance order for units from Vocational Agriculture Service--either of which gives you an open account. Stamps may be sent in payment of amounts of less than $1. Prices given are f.o.b. Urbana--postage is extra.

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	FARM MECHANICS (cont.)			
423	Selection and Application of Galvanized Roofing and Siding	56	$ .98	$ .70
430	Concrete Masonry	54	.94	.67
431	Making Farm Concrete	80	1.40	1.00
432	The Use of Welded Wire Fabric on the Farm	53	.93	.66
440	Prevent Corn Picker Accidents	42	.74	.53
441	Care, Operation and Adjustment of Mowers	65	1.14	.81
450-452	Learning Farm WeldingWith the Arc Welder (set of 3)		3.00*	2.15*
450	Arc Welding--Equipment and Fundamentals of Welding	42		
451	Arc Welding--Learning to Run a Bead	46		
452	Arc Welding--Welding in Different Positions	83		
453	Soldering	88	1.54	1.10
454-456	Use of the Oxy-Acetylene Flame (set of 3)		3.65*	2.61*
454	Assembling and Testing Equipment, Lighting and Turning Off the Blowpipe	66		
455	Cutting Steel, Piercing Holes, and Bronze Welding	71		
456	Fusion Welding, Hard Surfacing, Tempering, Forming, Bending, and Straightening	72		
457	Welding Cast Iron With the Arc Welder	52	.91	.65
458	Hardsurfacing Farm Equipment With the Arc Welder	42	.74	.53
459	Heating, Brazing, Soldering, and Cutting With Arc Welding Equipment	45	.79	.56
480	Identification of Pipe and Fittings	79	1.38	.99
494	Use of Color in the Farm Shop (in color)	55	2.10	1.25
495-496	Good Fencing for Better Farming (set of 2)		2.25	1.60
495	Part 1. Building a Woven Wire Fence	80	1.40	1.00
496	Part 2. Special Fencing Problems	61	1.07	.76
	FORESTRY			
500	Planting Farm Forests in Illinois	94	1.64	1.17
501	The Farmstead Windbreak	103	1.80	1.29
502	Improve and Protect Illinois Farm Woodlands	49	.86	.61
	SOILS AND CROPS			
702	Animal Manures on the Farm	51	.89	.64
703	Collecting and Preparing Soil Samples for Testing	36	.63	.45
704	Testing Soils for Acidity and Interpreting the Test	35	.61	.44

*Individual films of these two sets are sold only for completing a set. Write for prices if you need one of the films to complete a set.

Film No.	Title of Bulletin	No. of Pages	Bulletin Price	Number of Pages
	FARM MACHINERY (cont.)			
[illegible]	Selection and Application of Galvanized Roofing and Siding	[illegible]	[illegible]	[illegible]
[illegible]	Economic Economy	[illegible]	.94	[illegible]
[illegible]	Making Farm Concrete	[illegible]	1:40	[illegible]
[illegible]	The Use of Welded Wire Fabric on the Farm	[illegible]	.93	[illegible]
[illegible]	Farmers Farm Picker Accidents	[illegible]	.74	[illegible]
[illegible]	Cross Operation and Adjustment of Mowers	[illegible]	1:14	[illegible]
[illegible]	Learning Farm Welding with the Arc Welder (Part of 3)		3:[illegible]	2.[illegible]*
[illegible]	Arc Welding--Equipment and Fundamentals of Welding	[illegible]		
[illegible]	Arc Welding--Learning to Run a Bead	[illegible]		
[illegible]	Arc Welding--Welding in Different Positions	[illegible]		
[illegible]	Welding	[illegible]	1.[illegible]	1.[illegible]
[illegible]	Use of the Oxy-Acetylene Flame (Part of 3)		1:[illegible]*	1:[illegible]*
[illegible]	Assembling and Testing Equipment, Lighting and Turning Off the Blowpipe	[illegible]		
[illegible]	Cutting Steel, Pointing Holes, and Bronze Welding	[illegible]		
[illegible]	Pasing Welding, Hard Surfacing, Tempering, Forming, Bending and Straightening	[illegible]		
[illegible]	Welding Cast Iron With the Arc Welder	[illegible]	.9[illegible]	.6[illegible]
[illegible]	Reconstructing Farm Equipment with the Arc Welder	[illegible]	.74	[illegible]
[illegible]	Testing, Bending, Soldering, and Cutting with the Bending Equipment	[illegible]	.79	[illegible]
[illegible]	Identification of Pipe and Fittings	[illegible]	1.[illegible]	[illegible]
[illegible]	Use of Color in the Farm Shop (in color)	[illegible]	2.[illegible]	1.[illegible]
[illegible]	Good Lighting for Better Farming (Part of 2)		2.[illegible]	[illegible]
[illegible]	Part 1. Building a Barren Wire Fence	[illegible]	1.[illegible]	[illegible]
[illegible]	Part 2. Special Lighting Problems	[illegible]	1.[illegible]	.7[illegible]
	FORESTRY			
[illegible]	Planning Farm Forests in [illegible]	[illegible]	1.[illegible]	1.[illegible]
[illegible]	The Farmstead Windbreak	[illegible]	1:[illegible]	[illegible]
[illegible]	Improve and Protect Fields in Farm Woodlands	[illegible]	.8[illegible]	[illegible]
	SOILS AND CROPS			
[illegible]	Animal Manures on the Farm	[illegible]	.80	[illegible]
[illegible]	Connecting and Preparing Soil Samples for Testing	[illegible]	.[illegible]	[illegible]
[illegible]	Testing Soils for Lighting and Preparing the Test	[illegible]	.[illegible]	[illegible]

*Individual films of chapters and sets are sold only for completing a list. Where the price if you need any of the films to complete a set.

Film No.	Title of Slidefilm	No. of frames	Price of Double frame	Price of Single frame
	SOILS AND CROPS (cont.)			
705	Testing Soils for Available Phosphorus and Interpreting the Test	57	$1.00	$ .71
706	Testing Soils for Available Potassium and Interpreting the Test	47	.82	.59
707	Estimating Probable Responses From the Use of Limestone and Fertilizer	41	.72	.51
720	Establishing Grass Waterways	43	.75	.54
721	Soil Conservation Needs, Practices, Benefits	47	.83	.59
730	Methods of Selfing and Crossing Corn	51	.89	.64
742	Inoculation of Legume Seeds	47	.82	.59
743	Alfalfa Culture and Management (in color)	33	2.25	not avail.
744	Alfalfa Insects (in color)	27	2.25	not avail.
	MISCELLANEOUS			
7.0	How Safe Is Your School Farm Shop?	68	1.10	not avail.
1001	Improvement of Plants and Animals Through Breeding	106	1.85	1.32
1002	Principles of Breeding	47	.82	.59
1003	Using Warfarin in Controlling Rats and Mice	43	.75	.54
1004	Program of Vocational Agriculture in Illinois High Schools	79	1.38	not avail.

Price List of Units. Following is a complete list of units in the current series that will be available up to September 1, 1958, along with prices:

Unit	Title	Price ea. 1 - 4	Price ea. 5 or more
1001	Caring for the Sheep Flock During Breeding and Gestation	$.16	$.08
1002	Artificial Insemination	.16	.08
1003	Selecting and Purchasing Sheep	.16	.08
1004	Diseases of Sheep	.24	.12
1005	Internal Parasites of Sheep	.16	.08
1006	External Parasites of Sheep	.16	.08
1007	Capons and Caponizing	.16	.08
1008	Testing Milk for Butterfat	.16	.08
2001	Farm Planning for Long-Time Profits	.16	.08
2002	Taking an Inventory of Farm Resources	.32	.16
2003	Planning a Sound Land Use Program	.32	.16
2004	Principles of Field Arrangements	.24	.12
2005	Coordinating the Cropping System, Soil Conservation Practices, and Field Layout	.24	.12
2006	Selecting the Crops to Grow	.24	.12
2007	Estimating Crop Production	.16	.08
2008	Farm Record-Keeping	.32	.16
2009	Using the Illinois Farm Record Book	.16	.08
3001	Using the Oxy-Acetylene Flame in Farm Construction and Repair	.48	.24

Unit	Title	Price ea. 1 - 4	Price ea. 5 or more
3002	Farm Metal Work	$.48	$.24
3003	Wiring the Farmstead for Electricity	.64	.32
3004	Arc Welding	.80	.40
3005	Sharpening Hand Tools	.32	.16
3006	Selecting Lumber and Other Building Materials	.24	.12
4001	Collecting and Preparing Soil Samples for Testing	.08	.04
4002	Testing Soils for Acidity	.08	.04
4003	Testing Soils for Phosphorus	.08	.04
4004	Testing Soils for Potassium	.16	.08
4005	Nature of Soil Acidity and Major Plant Nutrients	.08	.04
4006	Using Limestone to Correct Soil Acidity	.08	.04
4007	Using Phosphorus Fertilizers	.08	.04
4008	Using Potassium Fertilizers	.08	.04
4009	Using Nitrogen Fertilizers	.16	.08
4010	Probable Responses From Use of Fertilizers	.16	.08
4011	Hunger Signs--A Guide to Soil Improvement	.36	.18
4012	Maintaining Organic Matter in the Soil	.16	.08
4013	Animal Manures on the Farm	.16	.08
4014	Improving Permanent Pastures	.16	.08
4015	Growing Red Clover	.24	.12
4016	Growing Ladino Clover	.16	.08
4017	Growing Sweet Clover	.24	.12
4018	Farmstead Windbreaks	.16	.08
4019	Seed Treatments	.08	.04
4020	Plants Poisonous to Livestock	.32	.16
4021	Grass Waterways	.16	.08
4022	Inoculation of Legumes	.08	.04
4023	Growing Oats	.16	.08

New Publications. We have received two new circulars from the College of Agriculture since the last issue of the AIDS. They are Circular 786--Parternships in the Farm Business, and Circular 789--Buying Your Sprinkler Irrigation System. Copies of Circular 786 (Partnerships) have been sent to Agricultural Release Subscribers with the March Agricultural Releases. Copies of Circular 789 were not included, since limited printing was made. Vocational agriculture teachers can, however, obtain copies in the regular manner. M.H.

Northwestern Illinois Junior Dairy Calf Sale. V. M. Bokemeier, vocational agriculture instructor at Freeport, has asked us to include the following announcement:

> The Northwestern Illinois Junior Dairy Calf Sale for FFA and 4-H Members will be held Saturday, March 22. The sale will begin at 12:00 o'clock noon and will be held at the County Highway Building in Freeport. Top calves from Ayrshires. Brown Swiss, Jersey, Holstein, Milking Shorthorn, and possibly Guernseys will be offered. M.H.

Illinois Swine Herd Improvement Association Litter Records. Mr. Fred Hoppin, executive secretary of the Illinois Swine Herd Improvement Association, has

called our attention to the summary relating to fall and spring litters as presented at the recent annual meeting of the I.S.H.I.A. He tells us that, as long as the supply lasts, single copies of the report will be available from Professor Harry G. Russell, 326 Mumford Hall, Urbana, or from his office in Lincoln, Illinois. Teachers wishing copies should send their requests to one of the two sources. M.H.

Exploring Agriculture and Soil Use and Improvement. We are indebted to Prentice Hall, Inc., for two books received during the month. The following information is taken from the preface of the publication entitled "Exploring Agriculture"...

> In the development of Exploring Agriculture, the authors have attempted to summarize the most recent information on our rapidly changing agriculture. This information will help the reader to understand the problems of agriculture and the ways in which science is helping to solve these problems. Exploring Agriculture is intended primarily for the study of general agriculture. Readers will find this book a dependable source of concise and authentic information about agriculture, a basic industry upon which all of us depend.
>
> Within the 29 chapters of this book, many problems, principles, and practices are discussed in relation to each other and to the whole field of modern agriculture. Examples are given for all geographical regions of the United States.
>
> Almost 300 photographs and illustrations have been selected to tell a well organized and connected story of modern agriculture.

The preface of the publication entitled "SOIL Use and Improvement" is as follows:

> SOIL Use and Improvement is divided into three parts. Part I, historical in nature, presents a brief survey of the effects of soil erosion on ancient civilizations, as well as on early settlements in this country. Part II is concerned with the fundamental factors that should be considered when dealing with the problems of soil erosion. It explains the erosion of soil by wind and water, the formation and maintenance of soil crumbs (soil tilth), the importance of plant cover in building and holding the soil, and the intricate relationship existing between soil, plants, and animals. Part III studies the remedial measures for controlling erosion and for improving our soil while, at the same time, cropping it to the fullest extent. It discusses control measures for erosion both by wind and water, maintenance of good soil tilth, and the most effective management of our grazing and woodland. Part III also presents all the elements needed in planning a sound soil and water conservation program and explains how to use them in developing such a plan.

Our copies are, of course, available for review by teachers visiting our office and will be included in the book display at the time of the Annual June Conference. Teachers wishing to order copies should send their requests direct to Prentice Hall, Inc., Englewood Cliffs, New Jersey. M.H.

Slidefilm on Growing Corn on Low Potash Soils. In the February issue of the AIDS, we announced that we would accumulate orders for prints of the slidefilm entitled "Growing Corn on Low Potash Soils" and if, by March 1, orders totaled ten or more, we would order additional prints. This slidefilm was designed to accompany the tape recording that was announced previously. At the time that announcement was made, we had three prints remaining from the first order. Since then we have exhausted our supply of the three prints and have no unfilled orders on hand. Consequently, it appears doubtful that we will receive sufficient orders to justify ordering additional prints. M.H.

Sheep Shearing Schools. We are indebted to Professor G. R. Carlisle for the following information:

"Four sheep shearing schools are planned for Illinois this year. Dates are:

March 31 and April 1	-	LaSalle County
April 3 and 4	-	Urbana
April 8 and 9	-	Dixon Springs Experiment Station
April 10 and 11	-	Dixon Springs Experiment Station

"Enrollments should be made through the farm adviser in your county. Enrollment fees are $1.00 per person. Only boys who are big and strong enough to handle sheep should be sent to these schools. Boys who come should realize that shearing is work and not just a way to get out of school.

"Enrollments will be taken on a first come, first served basis, and not over two boys per school will be accepted unless there are not enough enrollments to fill the schools. If you have more than two boys, list their names in order of preference and an alternate list will be compiled.

"Enrollments should be in the hands of the livestock specialists at the College of Agriculture no later than 10 days before the first day of the school."

Checks covering enrollment fees should be made payable to G. R. Carlisle rather than to the University of Illinois. G.R.C.:W.H.W.

Dwarf Corn. During the past several months we have received scattered requests from teachers for information on where they can obtain seed of dwarf corn. The following statements are taken from a letter dated January 22, sent to vocational agriculture teachers and farm advisers over the signature of M. B. Russell:

A total of slightly more than 100 bushels of dwarf double-cross hybrid seed was produced in detasseling fields during the summer of 1957. Production was under the supervision of the Illinois Seed Producers Association, who will also handle the seed distribution.

On the average, the dwarf hybrids tested thus far have yielded about 10 percent less than U. S. 13 or comparable normal hybrids, but have shown outstanding resistance to lodging.

Our wish in distributing the limited amount of dwarf hybrid seed on hand is to obtain as much information as possible on the field performance of the dwarf hybrids, as compared with adapted normal hybrids grown in adjacent plots. Therefore, we are asking those who receive samples of the dwarf seed to test the dwarfs in comparison with adapted normal hybrids, and to report the results to us. Detailed instructions as to test procedures will be furnished with the seed.

Seed of the three composites, "Dwarf 1," "Dwarf 8," and "Dwarf 56," will be distributed initially as 1-pound and 5-pound samples.

Priority will be given to filling requests from farm advisers and vocational agriculture teachers in Illinois. No requests other than those from Illinois farm advisers and vocational agriculture teachers will be filled before March 1, 1958.

The most useful information will be obtained from tests which include all three dwarf composites, as well as adapted normal hybrids. Therefore, we suggest that those desiring seed, particularly farm advisers and vocational agriculture teachers, request the dwarf seed in sets including all three composites. If all three composites are ordered at the same time, the price per set will be:

3	1-pound samples	$2.50 postpaid
3	5-pound samples	$7.00 postpaid

After March 1, requests from seedsmen, farm managers, individual farmers, and others will be filled on a "first-come, first-served" basis until the seed supplies are exhausted.

How to Apply for Seed

Requests for seed samples should be sent to the following address:

Illinois Seed Producers Association
107 North Fifth Street
Champaign, Illinois

Payment in advance is requested and should be made by check payable to "Illinois Seed Producers Association." Farm advisers in Illinois may request up to five test sets per county. Others are asked to limit their requests to one sample of each of the three composites.

M.H.

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February 20, 1958

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.06
Corn, ground, bu.	1.13
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	.95
Barley, ground, bu.	1.02
Hominy feed, ton.	48.00
Wheat bran, ton	46.00
Shorts and standard middlings, ton.	46.00
Flour middlings, ton.	55.00
Red Dog flour, ton.	55.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	65.00
Linseed meal (34% protein), ton, solvent extracted.	65.00
Cottonseed meal (41% protein), ton, solvent extracted	75.00
Gluten feed, ton.	49.00
Tankage, ton.	96.00
Blood meal, ton	125.00
Beef scrap, ton	88.00
Steamed bone meal, ton.	85.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.75
Whole milk, cwt.	3.62
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	14.00
Soybean hay) for baled hay.	15.00
Alfalfa hay) and straw.	18.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

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VO-AG AIDS

Volume 16, Number 9

April 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

April, 1958

Class Trips. In addition to the weekly visiting days for seniors preparing to teach, which take them into a variety of school situations, two special trips are conducted regularly in courses conducted by the staff in agricultural education. On March 25, juniors in agriculture studying the public school system visited the schools at Homer, meeting with the Board of Education, the school-wide citizens committee, the advisory committee for agricultural education, the school administrators, and some members of the school staff. On April 1, graduate students in a course in adult education will study at first hand the general adult program of the Joliet Township High School and Junior College. H.M.H.

Staff Activities. G. P. Deyoe recently attended a meeting of the editorial board of the American Vocational Journal in Washington. He was also a consultant at the Livingston County Teachers Institute and a speaker at a conference at DeKalb called by the Illinois Council for Community Schools. H. M. Hamlin spoke three times on March 11 before the annual conference for school board members and administrators at South Dakota State College. An article by H. M. Hamlin, "Needed More Than Ever: Vocational Education," appeared in the March issue of Nation's Schools. H.M.H.

Progress on the Report of the Committee on Agriculture, Allerton House Conference on Education. Thirteen members of the Committee on Agriculture met on campus March 14 and 15 for the last full meeting of the committee before it reports to the Allerton House Conference on Education on April 17 and 18. A second draft of the committee's report, containing 83 pages, has been mailed to committee members for review before the report is put into its final form. H.M.H.

Teacher Supply and Demand. As of March 25, nine vacancies in vocational agriculture in Illinois were listed which are effective on July 1, 1958. Forty inexperienced teachers and 53 experienced teachers were listed as available for placement. One must keep in mind, however, that some of these inexperienced teachers will not go into teaching. Some will enter the service, while others will decide to enter fields other than teaching. Most of the experienced people listed are presently teaching and are looking for positions which they feel will improve their status.

Compared with last year, placement opportunities in 1958 look good. In 1957, 80 persons were placed as teachers of vocational agriculture in Illinois. Of these 80, 56 were teachers who had not previously taught in Illinois. If the demand for teachers is approximately the same in 1958-59 as it was in 1957-58, and we believe it will be, there will be positions for those now seeking employment. J.R.C.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

Something new has been added. The management of the State Fair will soon announce a new class for this year's fair. The new class has been designated as "Farm Shop Activity," and H. M. Strubinger, assistant superintendent, is in charge. A total of $700 in premium money is being offered, and demonstrations are planned on six days during the fair.

The demonstrations are to be presented as typical farm shop activities by a group that will consist of not more than ten members and a teacher or leader. Each group will be required to provide their own hand tools; the large tools will be provided by the management. Participating groups will be selected on the basis of evidence that they will present an interesting and effective demonstration of a variety of farm shop activities.

Premiums are set up to pay $150 for sessions from 9:00 a.m. to 12 noon and 1:00 to 4:00 p.m. on Friday and Saturday. Sessions on Monday, Tuesday, Wednesday, and Thursday will be from 9:00 a.m. to 1:00 p.m. and will pay $100. Additional details may be obtained from Mr. Strubinger.

Awards for service to vocational agriculture in Illinois. Each year our association honors those of our members who have given 10, 20, 30, or 40 years of service to vocational agriculture in Illinois. Our records show that the following are eligible to receive awards at this year's banquet. If anyone has been missed, will they or their sectional chairman notify J. A. Twardock at Champaign High School or Keith McGuire at Polo. Such notification must be received before May 15.

30-year awards: Wendell Schrader, Tuscola; B. A. Tomlin, Roseville; O. C. Holt, Springfield; and Robert Cessna, _____.

20-year awards: Charles Bain, Spring Valley; LaVerne Baker, Franklin Grove; W. I. Bidner, Plainfield; H. T. Boes, Beardstown; H. H. Cline, Bismarck; Charles R. Doty, Blue Mound; E. M. Edwards, Palestine; Robert L. Emmons, Chrisman; W. H. Farrell, Villa Grove; Carl L. Miller, Winslow; John M. Olson, Kirkland; Paul Walker, Newton; V. E. Burgener, Springfield; and H. M. Hamlin, Urbana.

10-year awards: John C. Baker, Bridgeport; John R. Bartley, Jr., Saunemin; William P. Brann, Shawneetown; Frank Crawford, Roanoke; William E. Crawford, Argenta; James Cunningham, Kempton; Harold Drake, Waterloo; Maurice F. Hahn, Byron; Robert V. Jurgens, Serena; Harold C. Knight, Moweaqua; Delmar D. Launius, St. Jacob, and Troy; Richard M. Lowe, Mulberry Grove; Eugene A. Patchett, Wellington; Arthur Phillips, Eureka; Franklin B. Royster, Ramsey; Fred S. Russell, Jr., Canton; Kenneth Sallee, Lomax; Edwin W. Sauer, Fisher; Kenneth F. Stevens, Blandinsville and Good Hope; Max S. Tessier, Easton; and Stanley M. Walker, Media.

Executive Committee Meeting. The committee met in St. Louis on March 1. Various items of business were considered in a three-hour session. Methods of providing closer contact between the various teacher training groups, the state office, and teachers in the field were discussed. The possibility of using sectional chairmen as an advisory group was suggested. Members of the committee were sorry to learn that Director Cliff Wick had been in the hospital. He has now returned home and soon expects to be as good as new.

Summer Conference. Plans are going ahead for a worthwhile conference this June 16, 17, 18, and 19. As announced last month, all committees will hold meetings on Monday afternoon, June 16. All committee members are urged to begin planning now to be present for the meetings.

Committee Activities. The Public Information Committee met in St. Louis and outlined a plan to collect information concerning public relation activities that have proved effective. Chairman Clarence Kuster hopes to have some worthwhile ideas to present at our meeting in June.

FFA Foundation Sponsoring Committee. The State Executive Committee of the Sponsoring Committees of the Illinois Foundation of the FFA met in Chicago on February 25. The Sears-Roebuck Foundation entertained the group at lunch. Mr. Van Buskirk will discuss the activities of this important group at our summer conference. Mr. James Hume was elected chairman of the group for 1958.

Some Facts We Should All Know. We have more people aged 14 through 17 years enrolled in mathematics and science courses today than at any other time in our history. The percentage of this age group enrolled in these courses at this time is also greater than at any other time in our history. In languages both the number and percentage have dropped since 1934, but both are larger than they were in 1949.

The trend in college entrance requirements today is to give less attention to subjects studied and more to rank in class and results of college entrance tests. Graduates of public high schools have made higher mean scores in college entrance board examinations in all subject-matter areas except French and higher mathematics than have graduates of private preparatory schools.

Do You Agree? The future of civilization depends upon leaders who are trained technically and are also well adjusted socially. One without the other will lead to man's destruction rather than his development. We need life adjustment courses as well as mathematics and science.

Vocational education in farming has a strategic place in such a program. Few courses offer such opportunities to teach pure and applied science and mathematics, the development of skills, and the social significance of our acts. As

teachers of vocational farming, let's be proud of our position and be positive in selling our job. We can take the lead in maintaining a balanced education, or we can retreat and let someone else take over. We have much to be proud of and many opportunities to improve. This is the time for all of us to resolve to "accentuate the positive."

Sectional News

Section 5. The sectional public-speaking contest was held at Magnolia Swaney High School. Robert Larget was the host, and Jack Pityer of Toulon was winner of the contest.

Section 7. Teachers of the section invited the farm advisers and their assistants to attend their winter meeting. They are well pleased with the pleasant working relationship which results from the joint meeting.

Teachers of the section are planning a Foundation Award Banquet next fall, to be held in connection with their leadership training school. Sponsors and contributors will be invited and will share in the leadership activities.

Section 11. The section officers' banquet and public-speaking contest was held in Warsaw, with Carl Geissler as host. It proved to be quite an affair, with 115 FFA members, advisers, and guests present. Bob Wagner of Colusa won the prepared speech contest, and Delbert Harper of Good Hope won the extemporaneous contest. Six boys took part in the prepared speech contest, and seven in the extemporaneous contest.

Section 22. Teachers and their wives met in Columbia for the regular sectional meeting. The summer short courses were discussed, and teachers were assigned to discussion groups for the summer conference. Publicity for the summer conference was also discussed.

Section 25. A meeting was held in Eldorado on March 1 to work out sectional activities for the rest of the school year. Activities discussed were the public-speaking contest, production award winners, the livestock judging contest, and the quarterly sectional meeting.

Ernest Fechtig, teacher at Enfield, has recently been employed as principal of the high school. We all congratulate Ernest on this promotion. We are sure that he will continue his interest in vocational agriculture and that his school will continue to have a good program in agriculture under his supervision.

VO-AG SERVICE

Announcements & Notes

Facts About the National Poultry Improvement Plan and Facts About the National Turkey Improvement Plan. Since the last issue of the AIDS, Mr. Damisch has called our attention to a letter he received from Mr. A. W. Tenney and two enclosures that accompanied the letter. The enclosures were entitled: "Facts About the National Poultry Improvement Plan" and "Facts About the National Turkey Improvement Plan." We understand that vocational agriculture teachers can secure copies through the Poultry Improvement Section, Animal Husbandry Division, Agricultural Research Service, Beltsville, Maryland. If you are interested, please send your request to that address rather than to this office. M.H.

Livestock Judging Contest - Pfizer. Presumably vocational agriculture teachers in Illinois have already received information regarding the Sixth Annual Livestock Judging Contest and the prizes offered by Pfizer. We have been asked to call attention to the fact that the contest closes on April 19. Interested teachers should be guided accordingly. M.H.

Munsell Soil Color Chips. Another shipment of the Munsell color chips has been received, and so far as we know all back orders have been filled. As before, the price is $2.75 f.o.b., Urbana. For further details regarding this material, see pages 11 and 12 of the January Vo-Ag AIDS. M.H.

Star of Your Future. This month we received a copy of the illustrated publication entitled "Star of Your Future." The following information accompanied the publication:

> "The enclosed booklet has been prepared by leaders in the livestock industry especially for the boys and girls of America.
>
> "It is concisely concerned with the selecting, feeding, managing, fitting and showing of beef project calves and purebred heifers. It is our hope that it will be of value to you in your work with the future generation of our country.
>
> "If you would like additional copies, please write to the American Angus Association, St. Joseph, Missouri, stating the number of copies desired."

We understand that copies have been mailed to vocational agriculture teachers, but there is always a possibility that some may have been missed or that the copy may have been misplaced. Consequently, if you are interested in one or more copies, we suggest that you send your request direct to the address in the preceding paragraph. M.H.

New Publications. Two new circulars and one bulletin from the College of Agriculture have been called to our attention since the last issue of the AIDS. The circulars are 788, "Spring Oats in Illinois," and 790, "Counting Your Calories." The bulletin is 624, "Maintenance Inspections of Sixty Farm Tractors." Copies of Circulars 788 and 624 are being sent to Agricultural Release subscribers with the April Releases. Those interested in securing copies should follow the regular procedure. M.H.

F.F.A. Roadside Signs. We have discontinued accepting orders for additional sets of F.F.A roadside signs. It is necessary to have the sets in the hands of the painters well in advance of the June Conference. Those on hand have now been delivered, and consequently no additional orders can be accepted until further notice. We do have about 15 sets still unassigned; but whether they will be assigned immediately following the June Conference or held until another year is a question that we cannot answer at the present time. M.H.

F.F.A. Scholarship Award. An announcement from Mr. M. D. Mobley, Executive Secretary of the American Vocational Association, Inc., carries the following information: "Once again we wish to call your attention to the FFA Scholarship Award offered annually by the Alpha Gamma Rho Fraternity.... We are anxious for every FFA member who is planning to enroll in an agricultural college in 1958 to have opportunity to compete for this award.... Note that all entries will have to be in the AVA office not later than June 1."

Copies of the official entry form may be obtained from the American Vocational Association, 1010 Vermont Avenue. N.W., Washington D. C., or from Alpha Gamma Rho, 706 West Michigan Avenue, Urbana, Illinois. M.H.

Arc Welding Courses for Vocational Agriculture Instructors. A letter from A. F. Davis, Vice President of the Lincoln Electric Company, 22801 St. Clair Avenue, Cleveland 17, Ohio, carries the following information: "Again this summer the special one-week welding course for Vo-ag instructors will be held at our factory in Cleveland. The dates will be the week of July 7-11 and again the week of July 14-18, thus giving teachers a choice of dates.

"The fee for the course is $25, which covers tuition, books, supplies, and luncheons. Transportation and lodging are not included. For further details please write or have the teachers write to Mr. A. W. Sawyer, c/o The Lincoln Electric Company." M.H.

Agricultural Releases and Units for 1958-59. The price of Agricultural Releases and the price of advanced orders for subject-matter units will remain the same as before, namely, a maximum of $10 per year for Agricultural Releases and a maximum of $1.50 per set (minimum of 10 sets) for advance orders for units. Both prices are f.o.b. Urbana.

We will not be in a position to accept orders for either Agricultural Releases or units until approximately June 1. We are including this announcement for the benefit of those wishing to use the information in connection with their budgets for 1958-59. If you are an Agricultural Release subscriber for 1957-58 or if you placed an advance order for units for this year, you will automatically receive an announcement regarding the items when we are in a position to accept orders. Any others wishing to receive such information should notify our office, and we will see that copies are sent when the mailing is made about June 1. M.H.

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March 20, 1958

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.08
Corn, ground, bu.	1.15
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	.95
Barley, ground, bu.	1.02
Hominy feed, ton.	50.00
Wheat bran, ton	53.00
Shorts and standard middlings, ton.	53.00
Flour middlings, ton.	55.00
Red Dog flour, ton.	55.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	68.00
Linseed meal (34% protein), ton, solvent extracted.	68.00
Cottonseed meal (41% protein), ton, solvent extracted	77.00
Gluten feed, ton.	55.00
Tankage, ton.	115.00
Blood meal, ton	125.00
Beef scrap, ton	110.00
Steamed bone meal, ton.	87.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.75
Whole milk, cwt.	3.62
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	17.00
Cowpea hay) Add $5 per ton	14.00
Soybean hay) for baled hay.	15.00
Alfalfa hay) and straw.	18.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, April 1958

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VO-AG AIDS

Volume 16, Number 9/10

May 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
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AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

May, 1958

Excerpts from the Report of the Committee on Agriculture, Allerton House Conference on Education. There is much in the report of this committee that will interest teachers of vocational agriculture. A few of the committee's findings follow.

Only 7.3 percent of the people of Illinois and 12 percent of the people of the United States live on farms, but it is estimated that 40 percent of the gainfully employed are in occupations directly associated with agriculture and 40 percent of the nation's business is in farm products or in goods and services for agriculture.

Eighty percent of the school districts and 74 percent of the secondary schools of Illinois offer vocational agriculture. About 4 percent of the secondary school pupils of the state are enrolled annually in agriculture.

In 1956-57 there were 365 citizens' consulting committees for agricultural education in the schools of the state.

The total enrollment in classes taught or supervised by teachers of vocational agriculture in Illinois increased from 243 in 1917-18 to 31,995 in 1956-57. The average enrollment per school teaching agriculture increased from 16 to 64 during the same period. Expenditures for the salaries and travel of teachers of vocational agriculture grew from $15,650 to $2,654,000.

The interest of non-farmers in agricultural education is shown by the fact that 29 percent of the families assisted by the Extension Service of the College of Agriculture in making changes in agricultural practices in 1956 were urban families, and 12 percent were rural nonfarm families. Four percent of the boys enrolled in boys' 4-H Clubs in that year were urban, and 12 percent were rural non-farm.

About 4,000 new farmers are needed annually in Illinois. About 4,000 high school seniors are enrolled in vocational agriculture each year. It is estimated that half of these seniors enter farming.

Sixteen percent of the farmers of Illinois are on part-time or residential farms. In 30 counties, 20 percent of the farms or more are in these categories. Three of these counties are in the Chicago area; the others are in southern Illinois. Six southern Illinois counties have 40 percent of the farms in these categories.

In 1954, the income from the sale of farm products from 19 percent of the farms of the state was less than $2,500 per farm. Twenty-one percent of the farmers in the eleven southernmost counties received less than $1,200 for the farm products they sold.

There were 102 boys enrolled in courses in diversified occupations in the state in 1955-56 who were preparing for employment in 15 agricultural occupations other than farming.

The rural nonfarm population of the state reached 1,190,000 in 1950, and it is growing. It constitutes 13.6 percent of the population of the state, nearly twice the farm population.

More than 10,000 teachers, most of them in the elementary schools, have completed the courses in conservation offered cooperatively by the Department of Public Instruction and the state universities.

In 1957-58, the number of boys enrolled in vocational agriculture is 74 percent of the number of farm boys in schools teaching vocational agriculture. In schools with 900 or more students, the enrollment in vocational agriculture is 57 percent of the number of farm boys in school; in schools with enrollments of 50 to 99, it is 95 percent; in schools with enrollments under 50, it is 100 percent.

Fifty-five percent of the freshmen and 44 percent of the seniors enrolled in vocational agriculture in 30 Illinois high schools indicated that they intended to be farmers.

Twenty-five percent of the seniors enrolled in vocational agriculture in 80 Illinois high schools in 1955-56 were in college in the fall of 1956.

About 10 percent of the commercial farmers of the state are enrolled in adult classes in agriculture each year.

About 2 percent of the funds for the salaries and travel of teachers of vocational agriculture are spent for work with young and adult farmers.

Although the enrollment in secondary school courses in agriculture has been almost constant since 1950, the enrollment in young and adult farmer classes has increased by 50 percent.

One of 19 junior colleges in Illinois offers agriculture. About 20 percent of the junior colleges of the United States offer agriculture.

About 40 new teachers of vocational agriculture must be qualified annually to meet present demands. The annual loss of teachers of vocational agriculture is about 11 percent.

During the past ten years, half of the men newly qualified to teach vocational agriculture have taught vocational agriculture in Illinois during the year after they were qualified.

Of 516 Illinois teachers of vocational agriculture in 1956-57, 394 have the master's degree or credit toward it.

The median number of years of teaching experience of 513 Illinois teachers of vocational agriculture in 1957-58 has been 10.7. Seventy-six percent have taught five years or more; 22 percent have taught 20 years or more.

Of the 504 schools offering vocational agriculture in 1956-57, 337 received financial support from the state equalization fund, and 167 did not.

It is estimated that the state and the school districts of the Illinois spend eight dollars for vocational agriculture for each dollar of national funds, although they are required only to match the national funds. Local expenditures are about three times the state expenditures.

Eighty percent of the districts offering vocational agriculture have provided new buildings or rooms for it since World War II.

H.M.H.

Registration for Summer School. Registration takes place on Monday, June 16, the day preceding the summer conference. Both the summer session and the summer conference begin on Tuesday, June 17.

H.M.H.

A.V.A. Convention. Teachers are reminded of the A.V.A. Convention at Buffalo, New York, August 11 to 15. This may be the last chance to attend a summer convention. The next A.V.A. Convention will be a winter meeting in Chicago.

H.M.H.

Placement Situation. On April 18, there were 15 schools seeking teachers for the 1958-59 school year. Recent placements include Gordon Bidner, Bellflower; Leon Mayer, Teutopolis; and John Terwilliger, Ogden. There are 38 beginning teachers and 57 experienced teachers seeking positions.

J.R.C.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

As the banquet season draws to a close and the season of awards is upon us, we might pause to consider how both might be made more effective. Student participation and recognition are the road to a good parent-and-son banquet. How could the two be tied together? Would the following plan work?

Close all productive project records on January 1 and make all foundation awards on the basis of these records, which would be available for analysis by January 15. Sectional meetings to select award winners could be held before February 1 and awards made for distribution during FFA Week. Sectional plaques and chapter medals could be awarded at regular banquets while they are still news and when an appropriate local function is available for their distribution. This plan would in no way conflict with the awarding of district and state awards at the FFA convention.

It would be more difficult to act on State Farmer applications before February 1, but an earlier deadline might be worked out. It might be possible to pick Sectional Star State Farmers at the earlier award meeting if there was enough interest in such a proposal.

This general plan for production awards was suggested sometime ago by Director Dean Sims. We believe it has enough merit to warrant diligent study by our entire membership and supervisory staff.

State Judging Contest

At the time the new plan for the state contest was announced, it was stated that the meat and milk contests would not be held if fewer than 25 entries were received by April 15. That date has come and passed, with only 16 entries received for meat and 11 for milk. This is therefore the official announcement that neither the meat nor the milk contest will be part of the contest to be held on June 24. All other contests will be held as announced.

Dues

We still have seven teachers who have not paid their dues. No school can participate in IAVAT-sponsored activities if their vocational agriculture teacher has not paid his dues. Sectional chairmen are urged to see delinquent members and collect their dues. Our organization has a long record of useful service, which is a tribute to the members who have been willing to pay for the services rendered.

Publicity Releases

The patrons of your school like to know about your summertime activities. The news releases included with this issue of the AIDS have been prepared by your Public Relations Committee. There are four different articles, and it is suggested that you complete the one that fills your needs best and submit it to the editor of your paper just before June 15. These articles are short and concise. If we can get one of them published in every paper in the state, most people will know that we are holding a summer conference the middle of June.

Announcement to All Vocational Agriculture Instructors

"The Public Relations Committee went on record as liking the canned news release approach to publicity as used by the F.F.A., 4-H, and extension people at times in their work, and we thought we might try this type of publicity preceding our State Convention. Of course, it's up to you but, if you like it, the time necessary for you to fill it in and give it to your news reporter would be very little. Many of you are doing a good job without this help--others might welcome it."

C.J.K.

NVATA

James Wall, our president, addressed the Central Regional Conference of Supervisors and Teacher Trainers in Chicago early in March. Some excerpts from Jim's speech are included here, as they point out some facts we all need to keep in mind:

"You are aware of the tremendous problems facing agricultural education at the present time. We are living in an agricultural revolution the like of which has never been seen before. Unparalleled thought and effort will need to be given by all of those affiliated with the profession if the problems of a changing agricultural economy are to be solved and the challenges facing us today successfully met.

"On one hand we are faced with the problems of the changing agricultural picture, and on the other we are being challenged by those who would cripple and destroy vocational education as we now know it.

"Strong professional organizations can be one of our major weapons in meeting successfully the challenges with which we are faced. Therefore, it will behoove every segment of the profession to unite in a common effort which not only will result in the preservation of vocational education, but will also cause it to advance with general education in meeting the needs of our ever-changing economy."

Local and Regional Publicity

Your president has recently had the privilege of seeing some of the articles that have been published concerning FFA and vocational agriculture. It is interesting to note that this collection of clippings came from 19 schools and 15 papers, three of the papers being represented by two or more articles. Much of the material concerned FFA week and the wide variety of things being done around the state. The articles were illustrated by 25 pictures. For the most part the clippings were from northern Illinois, and they indicate that this area has been working on publicity. An interesting sidelight is that the area has suffered little loss in enrollment in vocational agriculture during the past two years. Is class enrollment related to a good public relations program, including newspaper publicity?

Summer Conference

The program for the conference and the meetings of our association will soon be out. All members are urged to study it and plan for their part in the program. Committee chairmen should note the time and place of their meetings and write to committee members and urge them to be present. The Record Book Committee plans to meet, and Chairman Bob Liehr of Morrison would like to have members write him any suggestions they have concerning the present book.

Resectioning

Population changes, along with changing enrollment in vocational agriculture classes, have resulted in unequal student enrollment in the present sectional organization. Shifting sectional lines is a joint responsibility of our organization and the state supervisory staff. Our part in reorganization is well defined in our constitution and may be found on page 8 of our handbook for members. Your ideas on sectional reorganization should be submitted to your sectional chairman or your district director.

Committees

The committees of our organization are necessary for getting the work done. Could we improve them if each consisted of five members, one from each district. Each committee member would be appointed for a five-year term, and one new member would be appointed each year. If it seemed necessary, each district director could call a meeting of the committee members and the sectional chairmen from his district to consider association problems. Such a plan would provide for a flow of information to each section and from the section to the state officers. What do you think of such a plan?

From Director Irvine

George reports that the teachers and FFA members of his area are sponsoring a testimonial dinner for Mr. Ralph L. Ostrander, who is retiring as FFA Foundation Director from District 11. Agriculture teachers, their wives, and FFA members will participate.

Sectional News

??????

VO-AG SERVICE

Announcements & Notes

Grain Grading Films. Mr. M. E. Shearer, advertising manager of the Seedburo Equipment Company, sent us the following information to be included in the AIDS:

"Rex. E. Yocum, president of the Seedburo Equipment Company of Chicago, announces the first set of films produced on "Grain Inspection Methods." The films were prepared by James R. Enix of Oklahoma State University in cooperation with the United States Department of Agriculture and Seedburo Equipment Company.

"Seedburo advises that colored filmstrips with narration on records will be available to the grain industry and Vo-Ag schools and colleges for meetings and educational programs. Separate films have been made on wheat, grain sorghums, corn, soybeans, etc. These filmstrips tell the story of how grain inspectors grade grain and show the correct type of equipment to be used in the various operations. There are excellent color illustrations that help identify damaged or infected grains.

"The cost of the films will be based on actual production costs. For further details, write Dept. GIM-4, Seedburo Equipment Company, 618 W. Jackson Blvd., Chicago 6, Illinois."

M.H.

F.F.A. Calendars. Our office has received an announcement from Mr. Cedric A. Lafley, managing editor of the Future Farmer magazine, relating to the 1959 F.F.A. calendars. It is addressed to chapter advisers; consequently, we assume that all vocational agriculture teachers in Illinois have received a copy. The first paragraph reads as follows:

> "Would your Chapter like to add $35.00 or more annually to its Treasury? Would the Chapter like to publicize FFA and promote good will in your community? If so, here's how it may be done with one FFA activity involving but a few minutes of Chapter time."

If you did not receive a copy but are interested, I suggest that you write direct to Mr. Lafley at The National Future Farmer, Box 29, Alexandria, Virginia.

M.H.

Arc Welding Course--Lincoln Electric Company. A preliminary announcement regarding the Lincoln Arc Welding course was made in the March issue of the AIDS. Since that time we have received further information regarding this course. The dates are July 7-11 and July 14-18. We assume that all of our vocational agriculture teachers have received copies of this announcement. If you failed to do so and are interested in attending the course, which is to be held at the company's new plant in Cleveland, we suggest that you write to The Lincoln Electric Company 22801 St. Clair Avenue, Cleveland 17, Ohio.

M.H.

Calendar of Events. Copies of the September 1958 to August 1959 Calendar of Events have been sent to Agricultural Release subscribers with the May releases. We ran a limited number of extra copies, which are available so long as the supply lasts at 15 cents each, f.o.b. Urbana. Postage will be about 4 cents. If you do not have an open account with us, please remember our policy that payment accompany orders totaling less than $5.00. We are willing to accept stamps for amounts of $1.00 or less.

M.H.

Meat and Milk Contests. In the I.A.V.A.T. section of News and Notes is a statement from Mr. Brakensiek to the effect that meat and milk contests will not be held this year.

M.H.

Farm Business Analysis Meetings. Delmar Wilken, state leader of FBFM fieldmen, informs us that he and the assistant state leaders will be able to assist with several more meetings on interpreting and using farm records to increase earnings. The summer months are preferable for these meetings, but any time between April 1 and December 1 will be satisfactory. A one-day meeting lasting four to six hours is suggested, although more time could be allowed if desired. Enrollments are, of course, made in line with our usual policy for one-day courses. If you have a group of interested teachers in your area, you should contact Vocational Agriculture Service and send a list of those interested, along with a suggested meeting place, dates, and time of meeting.

J.H.H.

Farm Bureau Farm Management Report. A limited number of copies of the new report (1957) are to be made available for distribution to Illinois teachers of vocational agriculture. Present plans are to distribute them free to teachers who call for them at our building on Florida Avenue at the time of the June Conference.

J.H.H.

Land Economics Institute. Since vocational agriculture teachers may be interested in one or more courses offered in connection with this institute, the following excerpts were taken from the announcement:

"The Land Economics Institute is being held during the 1958 summer session at the University of Illinois Department of Agricultural Economics. By bringing together an outstanding staff, this institute will provide an unusual opportunity for advanced study of problems involving use of land.

"The institute is being organized to appeal to people in various positions, such as research workers, educators (resident and extension), those working toward advanced degrees, and others desiring a more thorough understanding of current land problems and their solution. More specifically, the objectives of the institute will be to improve the technical competence of those engaged in land economics research and to develop the interest and competence of graduate students and others."

The schedule of courses is as follows:

(June 17 to July 11)

Agr. Econ. 412. World Land Tenure Systems. Instructor: Stewart, University of Illinois.

Agr. Econ. 413. Land Economics Research Methodology. Baker, University of Illinois.

Agr. Econ. 414. Economics of Resource Use. Swanson, University of Illinois.

(July 14 to August 8)

Agr. Econ. 415. Land Use and Control in Industrial Economics. Wibberly, University of London

Agr. Econ. 416. Legal Aspects of Land Use. Hannah, University of Illinois.

Agr. Econ. 417. Land Use and Tenure Improvement in Agrarian Economics. Bandini, Italy.

(June 17 to July 11 and July 14 to August 8)

Agr. Econ. 492. Seminar. Halcrow and Stewart, University of Illinois.

All of these courses, with the exception of the seminar, are listed for 1/2 unit of credit. The seminar course is listed as 0-1 unit.

J.H.H.

Safety Field Days. O. L. Hogsett, safety specialist, reports that the Illinois Rural Safety Council will sponsor its 4th Annual Safety Field Day, with the cooperation of Knox County organization, on June 13 at the Knoxville High School.

The main objective of the Safety Field Day is to give those who have or may have responsibility for local safety programs a chance to become familiar with various demonstrations, exhibits, and other safety material that may be adaptable for use in their local areas. Also, it is hoped that individuals may get a better understanding of the safety problems that we face today.

There will be another Safety Field Day for the south half of the state later in the year.

O.L.H./M.H.

Agronomy Experiment Field Meetings. Dates for the 1958 Agronomy Experiment Field Meetings are listed below. The Department of Agronomy encourages you to come and bring your students and farmers to see the latest results of work being carried on at these fields. You may wish to see that the date for the meeting in your area is publicized in your community. Put the date on your calendar now.

Date	Field	County
May 9	Brownstown	Fayette
May 22	Enfield	White
May 23	Carbondale	Jackson
May 26	Raleigh	Saline
May 27	Ewing	Franklin
June 9	West Salem	Edwards
June 10	Newton	Jasper
June 11	Toledo	Cumberland
June 12	Carlinville	Macoupin
June 13	Hartsburg	Logan
June 24	Minonk	Woodford
June 25	Aledo	Mercer
July 8	Dixon	Lee
July 9	Mt. Morris	Ogle
July 10	DeKalb	DeKalb

Fall Meetings

Date	Field	County
August 22	Oblong	Crawford
September 4	Newton	Jasper
September 5	Toledo	Cumberland
September 11	Urbana - Agronomy Day	Champaign
September 12	Brownstown	Fayette
September 16	Elwood & Joliet	Will
September 17	Carthage	Hancock
September 18	Clayton	Adams
	Carbondale	Jackson

E.L.K.

Sheep Production Field Day. Through the thoughtfulness of Professor Garrigus, we are giving you the following information regarding the annual Sheep Production Field Day:

The annual Sheep Production Field Day of the Illinois Purebred Sheep Breeders will be held this year at Kankakee State Park on Sunday, June 8. As in the past, it will include a full program from approximately 10:00 a.m. to 3:00 p.m., with a basket lunch at noon. The committee in charge, headed by Nolan Nelson of Morris, extends an invitation to all who are interested in sheep to attend this educational family Field Day.

New Publications. Vocational Agriculture Service has received one new bulletin from the College of Agriculture since the last issue of the AIDS. Because of the limited number of copies and the possible limited interest of vocational agriculture teachers in the topic, copies were not sent with the May releases. The bulletin is No. 625 and is entitled "Changes in Popcorn Kernels and Cobs While Maturing." Copies are available in the ordinary manner.

M.H.

ASC Resources in Teaching. W. T. Spanton, Director, Agricultural Education Branch, has called to our attention resources for teaching that are available from the Agricultural Stabilization and Conservation Committee. The following information is taken from his letter:

"The Agricultural Stablization and Conservation Committee in your State administers programs that affect every farmer and rancher. These programs also affect our program of vocational agriculture. They both create teaching situations and provide teaching resources. This is true irrespective of the merits of any program.

"For teachers to use these programs to improve their teaching, they must be abreast of current local and National program policies and provisions. The 'Guidebook for ASC Farmer Committeemen' was prepared primarily for the use of farmer committeemen to give them a better understanding of the Agricultural Conservation Program in relation to other programs. It provides some of the background material

on the need for agricultural conservation and the kinds of services that are available to farmers in helping them develop a conservation program. It is not agricultural subject matter material.

"Excellent teaching opportunities are created by situations growing out of action programs sponsored by the USDA and other agencies dealing with problems which affect farmers. Even though this Guidebook was prepared specifically for use by ASC Committeemen, it contains much information of value to teachers of vocational agriculture which is not readily available in any other single publication.

"This publication has not been widely distributed but officials in the USDA tell us that copies can be made available to all agricultural teachers either through the State office or through the county offices."

M.H.

Tape Recordings

Teachers would often like to have their classes listen to farm radio programs, but stations are sometimes not within hearing range or the broadcasts are not at times that classes meet.

Here is a list of taped discussions on current farming topics that you can order for your own class use. Most of them are interviews by Jon Greeneisen, farm radio editor for the College of Agriculture, with college specialists and staff members.

Two tapes are available: (1) Swine and (2) Crops and Weeds. Each has several topics on it.

To get the tapes you want, just drop a card to Vocational Agriculture Service, 434 Mumford Hall, Urbana, listing the tapes you want. Each tape will be recorded at 7 1/2 inches per second on 30-minute, 7-inch reels. The cost is $1.00 each if you furnish the tape. If you want us to furnish a tape, the cost of the tape and recording is $3.50 each. This series of tapes will be available only during May 1958.

Tape 1, SWINE (29 minutes)

Swine-Testing Programs, W. F. Nickelson
Artificial Insemination of Swine, Phillip J. Dziuk
Vertical Integration, Earl Orouse
A Hog Producer's View, George Brauer
A Meat Packer's View, Ben M. A. Smith
A Feed Industry View, J. L. Krider
(The last four topics on this tape are interviews with members of the panel that discussed "Contract Farming and the Hog Business" at Illinois Swine Growers' Day.)

Tape 2, CROPS AND WEEDS (22 minutes)

Fertilizer Placement, S. R. Aldrich
Equipping a Planter for Band Spraying, Wendell Bowers
How to Stop Canada Thistle, Fred Slife
How to Stop Johnson Grass, Fred Slife
Soil Insects in Cornfields, Steve Moore
Garden Insects, William Luckmann

E.L.K.

Dwarf Corn

Earlier this year Dr. Earl Patterson of the Department of Agronomy agreed to supply us with some dwarf corn seed for distribution to schools. This was before we realized that dwarf corn would be made available on the broader basis announced in the March AIDS.

Although only a limited quantity of seed is available (approximately 600 kernels) from Dr. Patterson's supply, it does have some advantage if you wish to have a demonstration showing a 1 to 4 genetic ratio, since the seed should give about one-fourth dwarf plants about two and one-half feet high at maturity.

We will distribute small packets (about 25 to 50 seeds) free of charge to agriculture teachers as long as our supply lasts. Send your request to Vocational Agriculture Service.

E.L.K.

Forestry Camp

Under date of April 15 W. F. Bulkley wrote to vocational agriculture instructors in Illinois calling attention to the forestry camp to be held near West Frankfort on August 10-16. Mr. Bulkley is associate extension forester at the University of Illinois College of Agriculture and director of the Farm Boys' Forestry Camp.

If you have a boy who is eligible to attend this camp and is interested in doing so, and if for some reason you failed to receive this letter, please notify our office at once or write direct to Mr. Bulkley, 219 Mumford Hall, Urbana, Illinois. You can get application blanks for attendance from your farm adviser, and the completed forms will need to be in your farm adviser's hands by June 1.

M.H.

Thanks - from Dean Howard

Dean Howard has asked us to send the following to our vocational agriculture teachers:

> "I welcome this opportunity to express my appreciation to the many vocational agriculture teachers throughout Illinois who contributed to the success of our first Farm and Home Festival. I know that many of you attended personally and that you encouraged others in your communities to come to Urbana for this event. By all means of appraisal I think we can say that it was quite a success. Although we know that a considerable number who attended failed to register, a total of 11,408 persons did register. This was certainly indicative of the considerable interest that was developed, and additionally I have received many expressions of enthusiasm for the event. Your assistance was greatly appreciated, and I want you to know that I am personally grateful.
>
> "We are now in the process of evaluating the Festival and giving consideration to its future. Your criticisms and suggestions with regard both to frequency and nature of the event will be most welcome. If you wish to convey them to Melvin Henderson, I am sure that he will see that they are given consideration in our future plans."

M.H.

Facts About Storage Batteries

Presumably all vocational agriculture teachers in Illinois have received the announcement from the Exide Automotive Division, The Electric Storage Battery Company, Cleveland, Ohio, regarding their filmstrip kit entitled "Facts About Storage Batteries." A letter received from Mr. G. W. Linn, Educational Films Division, states: "Thus far about 6,000 kits have been mailed to the teachers who sent in requests. The response varied considerably by region or state; Illinois was quite good--about 63%."

Possibly some of you may not have received the announcement or may have misplaced it. If so, send your request for a copy of the announcement or for the kit directly to Mr. G. W. Linn, Educational Films Division, Exide Automotive Division, The Electric Storage Battery Company, 246-286 East 131st Street, P.O. Box 6266, Cleveland 1, Ohio. In writing, please use your school stationery.

M.H.

Careers in Agriculture - College of Agriculture

This information regarding the new brochure, "Careers in Agriculture," was given to us by C. D. Smith, Assistant Dean:

"The College of Agriculture is proud to announce publication of a new College brochure, 'Careers in Agriculture Through the University of Illinois College of Agriculture.' This is a 24-page publication designed for young people, teachers, counselors, and parents.

"A complimentary copy is being sent to all agriculture teachers and extension people in Illinois. Copies will also be sent to all senior high and junior high school principals with the suggestion that it be made available to students through the school's counseling system.

"We believe the publication will be even more useful in Illinois than the national brochure, 'Careers Ahead,' since it was prepared by and for the College of Agriculture, University of Illinois.

"Bulk requests for four or more copies will be honored upon payment of 25¢ per copy, f.o.b., Urbana, through Vocational Agriculture Service."

C.D.S. - M.H.

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April 20, 1958

PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.25
Corn, ground, bu.	1.32
Oats, bu.	.65
Oats, ground, bu.	.72
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	55.00
Wheat bran, ton	55.00
Shorts and standard middlings, ton.	56.00
Flour middlings, ton.	58.00
Red Dog flour, ton.	58.00
Soybean oilmeal, (44% protein), ton, solvent extracted.	74.00
Linseed meal (34% protein), ton, solvent extracted.	72.00
Cottonseed meal (41% protein), ton, solvent extracted	78.00
Gluten feed, ton.	55.00
Tankage, ton.	120.00
Blood meal, ton	150.00
Beef scrap, ton	114.00
Steamed bone meal, ton.	90.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.70
Whole milk, cwt.	3.57
Corn silage, ton.	13.00
Grass silage, ton	
No preservative added	9.00
Preserved with 70-100 lb. molasses.	10.00-11.00
Preserved with 150-200 lb. ground corn.	12.00-13.00
Clover and mixed hay)	18.00
Cowpea hay) Add $5 per ton	15.00
Soybean hay) for baled hay.	16.00
Alfalfa hay) and straw.	19.00
Timothy hay)	16.00
Corn stover, ton.	12.00
Oat straw, ton.	12.00

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, May 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
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Volume 16, Number 10 11

June 1958

Issued jointly by
Vocational Agriculture Service, College of Agriculture
and
Agricultural Education Division, College of Education
University of Illinois
in Cooperation with
Illinois State Board of Vocational Education

AGRICULTURAL EDUCATION NEWS

DIVISION OF AGRICULTURAL EDUCATION / COLLEGE OF EDUCATION / UNIVERSITY OF ILLINOIS

June, 1958

Recent Publications Useful in Planning for 1958-59. The following publications are available to Illinois teachers of vocational agriculture without cost from the Division of Agricultural Education, 103 Gregory Hall, Urbana, Illinois.

Annual Evaluation and Recommendation Report. Minonk Agriculture Advisory Council. 1957. 4 p.

J. M. Campbell. A Survey of Non-Reimbursable Programs of Agriculture in Michigan High Schools. 1957. 35 p. (Courtesy of the Department of Vocational Education, Michigan State University.)

H. M. Hamlin. Citizen Participation in Local Policy-Making for Public Education. 1957. 48 p.

H. M. Hamlin. Schools for Our Times. 1958. 13 p.

H. M. Hamlin. Policies, Procedures, and Rules for a Citizens' Consulting Committee for Agricultural Education. 1957. 5 p.

L. J. Phipps. Public School Adult Farmer Education in Illinois. 1957. 27 p. H.M.H.

New Publication on Community Schools. Dr. D. E. Lindstrom has described the development of rural community schools in Illinois in a 40-page publication, Bulletin 627, of the Agricultural Experiment Station, University of Illinois, just released. H.M.H.

Extramural Classes for Experienced Teachers, 1958-59. Following the five-year schedule for Ed. 477, Field Studies in Agricultural Education, adopted in the summer of 1957, this course will be available in District 5, Southern Illinois, in the first semester, 1958-59. Dr. G. P. Deyoe, the instructor, has notified the teachers in District 5 regarding the course. Centers for class meetings and meeting times will be arranged at the June Conference. H.M.H.

Summer Session Registration. Registration for the four-week summer term is held on Monday, June 16. Classes begin on Tuesday, June 17. Classes will be held during the Conference of Teachers of Vocational Agriculture. Arrangements have been made that in 1959 the summer conference will precede the summer session; dates for the 1959 conference are June 9 to 11. H.M.H.

Report of the Committee on Agriculture, Allerton House Conference on Education. The 77-page mimeographed report of the Committee on Agriculture, Allerton House Conference on Education, has been approved by the Clearing Committee of the Conference. Minor editorial changes are left to the Committee on Agriculture. Arrangements are now in process for the early publication of the full report and an abstract of the report. It is expected that there will be much use of the report in the 1958 summer session. H.M.H.

Agricultural Education Represented at the Conant Meeting in Springfield. Those from agricultural education who were among the 1,200 attending the meeting on May 14 with Dr. James B. Conant in Springfield heard some of the kindest words which have recently been said in Illinois about vocational education. Dr. Conant advocated strong vocational programs in the eleventh and twelfth grades, urged that vocational programs "enroll a considerable number of better-than-average pupils (in terms of their academic ability)," and indicated that he had seen some excellent vocational programs in the high schools he had visited. He also urged that local or area post-high-school institutions be established generally in which vocational courses could be continued for youth of college age, and which could serve as centers of education for adults of all ages. Among those noted at the meeting were William Powell, teacher of vocational agriculture, Taylorville; J. E. Hill, H. R. Damisch, and H. M. Strubinger of the staff of the State Board of Vocational Education; and G. P. Deyoe, A. H. Krebs, and L. J. Phipps of the Division of Agricultural Education, University of Illinois. H.M.H.

Teacher Supply and Demand. As of May 26, there were 15 schools seeking teachers for the 1958-59 school year. Twenty-eight inexperienced teachers and 71 experienced teachers were available for placement. From April 22 to May 26, six inexperienced and seven experienced persons were placed. J.R.C.

Prospects for Next Year. Thirty juniors in the College of Agriculture expect to qualify for the teaching of vocational agriculture in 1959. The corresponding figures for the past four years have been 43, 43, 68, 43. It appears that there will be no surplus of teachers of vocational agriculture in 1959-60. H.M.H.

IAVAT NEWS

ILLINOIS ASSN. OF VO-AG TEACHERS

FROM THE PRESIDENT'S DESK

This issue of IAVAT News winds up the "editorship" of your present president. The task of assembling news and ideas for presentation in Vo-Ag Aids requires a considerable amount of time and energy. It is, however, a pleasant task and a challenge to be met each month.

This will be my last opportunity to extend my thanks, in writing, to members and officers of IAVAT and to the joint staffs of Agricultural Education for their help and guidance during the past year. We have made errors during the year, but some progress has also been recorded. My sincere thanks to everyone and best wishes to the "new administration" for a bigger and better year during 1958-1959.

As we look to the years ahead, we must meet many challenges. The numbers of our farming clientele will decrease, but the task of providing food and fiber for an increasing population will increase greatly. Our challenge is to provide education to enable fewer farmers to meet the increased demands. We must take the offensive in many ways. Legislative and administrative rulings must be anticipated, and plans of action worked out in advance. We have a good program and one that has the support of our citizens. Let's resolve to continue to be effective leaders and selective followers.

Conference Program

There will still be time for members to study the conference program after receiving this newsletter. Committee members, please note the time and place of meetings. Study your IAVAT Handbook for Members. Note how nominations are made and elections held. Also note how sections have the opportunity to study the agenda of the business meeting. Sections may have their chairmen bring additional items of business to the joint meeting to be held on Tuesday evening. Let's all participate in the business of our association.

Resectioning

Periodic resectioning is necessary if we are to keep our organization truly representative. The present plan for resectioning has been worked out jointly by our association and the state office. All IAVAT officers have had the opportunity to study the proposals and to make suggestions for their improvement. Many

helpful suggestions were received. All members who will be affected by the proposed resectioning have been notified by mail.

Article XI, Section 4, of our constitution shows the procedure that must be followed. All members are urged to read it and be prepared to discuss resectioning if called upon to do so.

Schools for Our Times

This is the topic of a paper recently presented by Dr. Hamlin at Brookings, South Dakota. It contains many challenging thoughts and should be thoughtfully read by many people. If you haven't received a copy, try to read it sometime this summer. We need educational statesmanship of the type presented in this thoughtful paper.

Publicity Material

Once more members are urged to use the publicity material included with last month's Aids. Select the article that best fits your needs, and see that your local paper gets it before you leave for the summer conference.

Illinois Vocational Association News

The IVA Board of Control met at Peoria on May 17. Our association was represented by I. L. Brakensiek, W. C. Brokaw, and John Ewan. A busy day was spent hearing reports and making plans which are important to all of us. Some important dates for all of us to remember are:

1959 Convention, March 19, 20, and 21 at Peoria. Ag. meetings on 20th.
1960 Convention, to be held in connection with 1959 AVA, Dec. 7 to 11, 1959.
1961 Convention, March 2, 3, and 4 at St. Louis. Ag. meetings on 3rd.

The IVA is made up of the following associations in addition to our own: Industrial Arts, Business, and Homemaking.

Some facts that merit thought: Last year our members paid $213.20 in IVA dues. We received, as our share of the exhibits profit from the 1957 convention, $429.70. This year we have 533 IVA members from our association, or 17.4 percent of the total IVA membership of 3,053. At this year's convention we had 64 of our members register, or 5.49 percent of the 1,165 registered. In 1957 we had 72 members registered, or 6.42 percent of the total registration, and the 1956 registration showed 107 registered, or 10.74 percent of the total.

We need to ponder these facts and consider the following questions:

1. How long will IVA Convention exhibit profits continue to be distributed according to membership if our convention attendance continues to drop?

2. What can we do to stimulate attendance?

3. How can we sell our members on the importance of the IVA to vocational education in Illinois?

N.V.A.T.A. Notes

NVATA and AVA will hold a joint summer convention in Buffalo from August 9 to 15. Headquarters will be in the Statler Hotel, and reservations should be made soon. NVATA sessions will be held on the first three days of the convention. Illinois should be well represented.

The regional workshop for state association officers will be held at the Lake of the Ozarks on June 26 and 27. Last year your president and past president, Art Meadors, attended this workshop and found it most interesting and helpful.

Gamma Sigma Delta

Three of our members, J. A. Twardock, A. V. Meadors, and I. L. Brakensiek, were initiated as alumni members of Gamma Sigma Delta at ceremonies held May 5 in Champaign.

Section News

Section 1. This section recently held a banquet at Forreston honoring production and foundation award winners. Sectional plaques were presented. Each chapter brought a local banker as a guest. Next year each will be asked to bring another local businessman. (Note--This is public relations at its best.) Past President Wendt was the featured speaker. Several movies of local chapter activities were presented.

Section 22. This section has come up with another good idea. They prepared a chart showing the names and schools of the first, second, and third place winners in all award areas and the district winners in each category. This chart was mailed to all chapters and others who might be interested. (Note--We need to keep people informed about our activities. This is a good way to see that winners are announced.)

Section 23. Flora was the site of the monthly meeting of teachers of the section. Plans were made for the annual judging contest. Teachers enjoyed a tour of the new and efficient facilities of the Flora department.

VO-AG SERVICE

Announcements & Notes

A Guide to Better Hay Baling. The MacCarthy Ford Tractor Sales Company, located at 1000 Hobbie Avenue, Kankakee, Illinois, has called our attention to information that they have distributed to vocational agriculture teachers in Illinois. Presumably each teacher has received an announcement of their slide film entitled "A Guide to Better Hay Baling." We understand that it has recently been added to the line of films available from the Tractor and Implement Division of Ford Motor Company. The announcement states: "This is a 35 mm. slide film and is used in conjunction with a handbook, a copy of which is attached, bearing the same title as the slide film. This handbook will show you the material which is contained in the slidefilm and will be helpful to you in determining how the film can be used."

If you have misplaced the announcement or failed to receive it and are interested, we suggest that you write direct to the address given previously. M.H.

Bulletins and Circulars From the College of Agriculture. Three circulars and two bulletins from the College of Agriculture have been received in our office since the last issue of the AIDS. The circulars are numbers 791, 793, and 794. Their respective titles are Band Spraying Pre-Emergence Herbicides, Soil Sterilization Methods for the Indoor Gardener, and Soybean Varieties for Illinois. The two bulletins are 626 and 627. Their titles are Barking Black Oak and Jack Pine Fence Posts With Sodium Arsenite and Development of Rural Community Schools in Illinois.

Copies of Circulars 791 and 794 and Bulletin 627 have been sent to Agricultural Release subscribers with the June releases. Because of the possible limited interest, copies of Circular 793 and Bulletin 626 were not included. M.H.

Motion Pictures--International Harvester Company. We have recently received an announcement regarding some of the motion pictures available through the International Harvester Company. In his letter of May 6, Mr. Joe H. Bunting, Sales Promotion Supervisor of International Harvester Company, listed the following films: Right on Time, So You're Going to Buy a Combine, Hay Time U.S.A., Planting for the Big Yield, and Truly Fine Twine.

We understand that vocational agriculture teachers can obtain prints of any or all of those through district offices of the International Harvester Company. For your information, the district offices, so far as Illinois is concerned, are as follows:

International Harvester Company
Broadview FE District Office
P.O. Box 126
Broadview, Illinois

International Harvester Company
Davenport FE District
118 West River Street
Davenport, Iowa

International Harvester Company
Dubuque FE District
10 South Main Street
Dubuque, Iowa

International Harvester Company
Evansville FE District
101 North Garvin Street
Evansville 7, Indiana

International Harvester Company
Indianapolis FE District
1065 West Washington Street
Indianapolis 7, Indiana

International Harvester Company
Peoria FE District
407 Rock Island Avenue
P.O. Box 1019
Peoria, Illinois

International Harvester Company
Quincy FE District
630 North Second Street
Quincy, Illinois

International Harvester Company
St. Louis FE District
Highway 66 & Brown Road
Robertson, Missouri

International Harvester Company
Springfield FE District
126 West Jefferson Street
Springfield, Illinois

You may notice that some of the district offices are located outside the state of Illinois, but we understand that those have counties located in Illinois. Further, if you are not certain of your district office, or have misplaced the address, we assume your request will be transferred to the proper office if you simply send it to Mr. Bunting, District Sales Office, 126 W. Jefferson Street, Springfield, Illinois. M.H.

Sugar U.S.A.--The Root of Progress. Mr. Paul Ricks, Regional Manager of Western Beet Sugar Producers, Inc., 59 East Madison Street, Chicago 3, Illinois, has sent us information regarding two motion pictures that are available to readers of the AIDS. He writes: "While the growing of sugar beets in Illinois is very limited, approximately half of the sugar consumed in Illinois is beet sugar. Beets are also a rather complex crop to grow and I am sure many students would enjoy seeing the Root of Progress, which explains the place of the sugar beet in the agricultural economics of 22 states."

"Sugar U.S.A.," according to the folder, is a 16 mm. sound picture in natural color. Running time is 28 minutes. It deals with the general history of the sugar beet industry. There is no charge except cost of transportation one way.

"The Root of Progress" is also 16 mm. in sound and color with a running time of 27 minutes. The subject is the sugar beet and the beet sugar industry. Copies are loaned free except for transportation one way. Teachers interested in either or both can send their requests direct to the address given previously. M.H.

Swine Manuals. By July 1, 1958, we plan to have disposed of all remaining copies of the Swine Manual. A complimentary copy was sent to each Agricultural Release subscriber with the June releases. This leaves us approximately 150 copies. We will sell the remaining supply at 75 cents a copy, f.o.b., Urbana. This manual will not be reprinted. Further, we have no idea how many requests we will receive for copies at the 75-cent price, but we do know that it is our plan to have no copies remaining at the beginning of the next fiscal year, July 1, 1958. If interested, we suggest that you order while copies are still available. Please remember our policy of requesting that payment, including postage, accompany orders totaling less than $5.00 unless the school or individual has an open account with our office.

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MAY PRICE LIST OF FEEDS[1/]

The feed prices for many of the feedstuffs used in vocational agriculture projects are listed below. This list is meant to be used as the basis of values for all boys obtaining their feed at home. All feed actually purchased should, of course, be recorded at prices paid.

Kind of feed	Cost per bu., cwt., or ton in dollars
Corn, bu.	$ 1.24
Corn, ground, bu.	1.31
Oats, bu.	.58
Oats, ground, bu.	.65
Barley (feed), bu.	1.00
Barley, ground, bu.	1.07
Hominy feed, ton.	55.00
Wheat bran, ton	55.00
Shorts and standard middlings, ton.	56.00
Flour middlings, ton.	58.00
Red Dog flour, ton.	58.00
Soybean oilmeal (44% protein), ton, solvent extracted.	71.00
Linseed meal (34% protein), ton, solvent extracted.	72.00
Cottonseed meal (41% protein), ton, solvent extracted	78.00
Gluten feed, ton.	53.00
Tankage, ton.	115.00
Blood meal, ton	140.00
Beef scrap, ton	110.00
Steamed bone meal, ton.	90.00
Garbage and kitchen waste, ton.	8.00
Skim and buttermilk, cwt.	.70
Whole milk, cwt..	3.57
Corn silage, ton.	8.00
Grass silage, ton	
No preservative added	6.00
Preserved with 70-100 lb. molasses.	7.00- 8.00
Preserved with 150-200 lb. ground corn.	10.00-11.00
Clover and mixed hay)	15.00
Cowpea hay) Add $5 per ton.	13.00
Soybean hay) for baled hay	14.00
Alfalfa hay) and straw	16.00
Timothy hay)	15.00
Corn stover, ton.	10.00
Oat straw, ton.	10.00

Pasture Rates*

Colts and calves, 6 to 12 months old, 6 cents a day
Colts and calves, 12 to 24 months old, 7 cents a day
Cattle, 24 months and over, 13 cents a day
Pigs, 50 to 100 pounds, 1/4 cent a day
Pigs, 100 to 150 pounds, 1/2 cent a day
Pigs, over 150 pounds, 1 cent a day
Lambs up to weaning, 1 1/2 cents a day
Sheep or lambs after weaning, 2 1/2 cents a day

*For cattle or calves on full feed, reduce rates by 2/3; for limited feed, by 1/3.

1/ Prepared by Nelson Gay, Department of Animal Science, University of Illinois, Urbana, Illinois.

AIDS, June 1958

VOCATIONAL AGRICULTURE SERVICE
University of Illinois · College of Agriculture
434 MUMFORD HALL · URBANA, ILLINOIS

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